Setup Local Adilas Environment (Updated 9/15/17)

- 1. Setup ColdFusion server
- 2. Setup MySQL database
- 3. Link database with ColdFusion Server
- 4. Setup Git repository
- 5. Setup database with Test Data
- 6. Update database
- 7. Logging into Adilas Locally
- 8. Setting up Sublime
- 9. Git Bash Commands

1. Setup ColdFusion Server

- a. Download the latest version of ColdFusion. Sign up for a free trial and get the right version for your machine. <u>http://www.adobe.com/devnet/coldfusion/downloads.html</u>
- b. Run the installation and select "Developer Edition" to use for free.

Adobe	If you do not have a serial r Developer Edition.	umber, select either 30-day trial or	
	Serial Number: Previous Serial Number:	☐ 30-day trial ☑ Developer Edition	
InstallAnywhere Cancel		Previous No	ext

c. Keep doing recommended settings and then select "Development Profile".

Adobe	Development Profile: Use this profile only for development purposes. Note that features like Server Debugging and RDS are enabled by default for this profile.
	Production Profile: Use this profile for production purposes. All debug features and RDS are disabled for this profile.
	Development Profile
	O Production Profile
	O Production Profile + Secure Profile
	IP Addresses allowed
	IP Addresses can be added/modified later from the Administrator.

- d. Setup your **admin password** to start/stop server.
- e. Continue using default settings then select "Built-in web server".

Adobe	Select the web servers and/or websites to configure for use with ColdFusion.
	Configure web server connector for ColdFusion
	Web Servers/Websites

f. Continue with default settings and enter password for ColdFusion Administrator. You unclick "Enable RDS".

Adobe	The ColdFusion Remote Development Service (RDS) developers use Adobe tools remotely to connect to this development purposes. RDS is required for Remote D and Remote Start/Stop from ColdFusion Builder, Line Debugging, Report Builder, and Dreamweaver Extens If this is a production server, Adobe recommends that disable RDS. Note, however, that disabling RDS also disables debugging, Security Analyzer, and some of the function Report Builder. It is recommended to have a passworr	lets s server for bebugging ions. you ality in the d with at
	Enable RDS	
	Enter password:	
	Confirm pacewords	

- g. Install ColdFusion Administrator.
- h. When installation is complete it will open the server configuration in a browser. **Type in your password**. And it will configure the server for you.

Cf	
Adobe ColdFus	sion 2016 release
	Configuration and Settings Migration Wizard
	ColdFusion has been successfully installed. This wizard will guide you through the remaining server configuration steps and, if applicable, migrate settings from a previous version of ColdFusion.
	To guarantee the security of your server, please enter your ColdFusion Administrator password.
	Login

- i. When the server is configured it will open the ColdFusion administrator page. **Set this as a bookmark** so you can come back here to help set other features up.
- j. Click on the "Settings" option under "Server Settings" on the left hand menu and scroll to the bottom. Change the "Maximum number of POST requests parameters" from 100 to 1000 and submit Changes.

Expand All I Collapse All	Specify Google Map API license key.
▼ SERVER SETTINGS	
Settings	Component with on ServerStart() method [Server
Request Tuning	Specify the absolute path to a CFC having onServerStart() method, like "c'server.ctc". Ur specify a dot delimited CFC path under webroot, like "a.b.server". By default, Coldrusion will look for server.ctc under webroot.
Caching	Allowed file extensions for CFInclude tag
Client Variables	
Memory Variables	Specify the file extensions as a comma separated list which gets compiled when used in the CFInclude tag.
Mappings	
Mail	Application.cfr/Application.cfm lookup order
Scheduled Tasks	Default order
Charting	Until webroot
East Management	In webroot
Documont	Specify the option ColdFusion should use to search for an Application.cfc/Application.cfm if it is not found in the current folder. By default, ColdFusion will search until the system root.
lava and IVM	
Settings Summary	Error Handlers
	The Second state of the se
Data Causas	missing remplate handler
CaldEusian Callections	Specify the relative path to the template to execute when ColdFusion cannot find a requested template
Salt Sonior	
Web Services	Site-wide Error Handler
REST Services	
Elex Integration	Specify the relative path to a template to execute when ColdFusion encounters errors while processing a request.
PDF Service	Denuester
DEBUGGING & LOGGING	In the second seco
	Maximum number of POST request parameters 100
P SERVER MONITORING	Maximum number of parameters in a POST request sent the server. ColdFusion rejects requests if the POST parameters exceed the limit you specify.
P EXTENSIONS	
EVENT GATEWAYS	Maximum size of post data 20 MB
► SECURITY	Limits the amount of data that can be posted to the server in a single request. ColdFusion rejects requests larger than the specified limit.
PACKAGING & DEPLOYMENT	Request Throttle Threshold 4 MB
ENTERPRISE MANAGER	Requests smaller than the specified limit are not handled by the throttle.
SERVER UPDATE	Beruset Throttle Momony 200 NR
	Tequest intervention memory is to we may be a sequence of the
	API Manager
	Allow REST Discovery
	Specify whether to allow API Manager to discover RESI services published in ColdFusion.
	Click the button on the right to update Server Settings Submit Changes

2. Setup MySQL database

a. **Download latest MySQL community** edition for your machine. <u>https://dev.mysql.com/downloads/installer/</u>

Begin Your Download

mysql-installer-community-5.7.19.0.msi

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system
- Comment in the MySQL Documentation



- * click on "No thanks, just start my download" if you don't want to create an account.
- b. Run the installer and use the default settings. Under "Check Requirements" you can choose to install packages by clicking on "Execute", but they are **not required** for ColdFusion.

	A SOL lastellas			J
	MySQL. Installer MySQL. Installer Adding Community	Check Requirements The following products have failing req of this automatically. Requirements ma Click or there items to have a creater.		×
	License Agreement	Click on those items to try and resolve	ulen manually.	
	Choosing a Setup Type	For Product F	Requirement Status	
	Check Requirements	MySQL Workbench 6.3.9 N MySQL For Excel 1.3.7 V	licrosoft Visual C++ 2015 Runtime isual Studio Tools for Office 2010 is	
	Installation	MySQL for Visual Studio 1.2.7 V	licrosoft Visual C++ 2015 Runtime	
1	Product Configuration	 ○ Connector/Python (3.4) 2.1.6 P ✓ MySQL Connector/C 6.1.10 	ython 3.4 is not installed Manual ficrosoft Visual C++ 2015 Runtime	
	Installation Complete			
		Requirement Details This is a manual requirement. You can a information provided. When done, you has been met. Requirement: Python 3.4 is not insta	attempt to resolve the requirement using the can press the Check button to see if the requirment lied	
		Download URL: <u>http://www.python.or</u>	g/download/ Check	
			< Back Next > Cancel	
	State State State		the state of the s	

c. Once to the Installation stage, click "Execute"

MySQL. Installer	Installation			
Adding Community				
	Press Execute to upgrade the following pro	ducts.	Progress	Notes
License Agreement	MySQL Server 5.7.19	Ready to Install		
Choosing a Setup Type	MySQL Workbench 6.3.9	Ready to Install		
	MySQL Notifier 1.1.7	Ready to Install		
Installation	MySQL For Excel 1.3.7	Ready to Install		
Product Configuration	MySQL Utilities 1.6.5	Ready to Install		
Installation Complete	MySQL Shell 1.0.9	Ready to Install		
	MySQL Router 2.1.3	Ready to Install		
	Connector/ODBC 5.3.8	Ready to Install		
	Connector/C++ 1.1.9	Ready to Install		
	Connector/J 5.1.42	Ready to Install		
	Connector/NET 6.9.9	Ready to Install		
	MySQL Connector/C 6.1.10	Ready to Install		
	MvSOL Documentation 5.7.19	Ready to Install		,
	MySQL Connector/C 6.1.10 MySQL Documentation 5.7.19 C	Ready to Install Ready to Install		_

d. Once it is installed continue to follow the standard settings and **enter a root password for MySQL**.

MySQL Installer				_		×	
MySQL. Installer MySQL Server 5.7.19	Accounts and Ro Root Account Password Enter the password for the r place.	les root account. Please	remember to store th	is password in	a secure		
Type and Networking	MySQL Root Password:			▲			
Accounts and Roles	Repeat Password:	Decimord minimum	m langth: 4				
Windows Service		Password minimu	miengtr: 4				I
Plugins and Extensions							1
Apply Configuration	MySQL User Accounts Create MySQL user account consists of a set of privileg	ts for your users and es.	applications. Assign a	role to the use	r that		
	MySQL Username	Host	User Role		Add Use Edit Use Delete	r	
			< Back	Next >	Cance		

e. Continue to use the default settings and then on the "Apply Configuration" page **click** "Execute".

MvSOL, Installer	Apply Configuration
MySQL Server 5.7.19	Press [Execute] to apply the changes
	Stopping Server [if necessary]
Type and Networking	O Writing configuration file
Accounts and Roles	O Updating firewall
Windows Service	O Adjusting Windows service (if necessary)
Plugins and Extensions	 Initializing Database [if necessary]
Apply Configuration	O Starting Server
	Applying security settings
	Updating Start Menu Link
	O Updating Firewall for MySQL Document Data Feature Set

f. Once settings are applied continue to click through the wizard. It will have you **check your connection** to make sure your password works. Then click next and "Execute".

MySQL. Installer Samples and Examples	Connect To Server			
	Here are the compatible serve	ers installed. If more than	one, please select one	
Connect To Server	Server	Architecture	Status	
Apply Configuration	MySQL Server 5.7.19	X64	Running	
	Now give us the credentials v make sure they work. User: root Password:	ve should use (needs to ha	ve root privileges). Cl als provided in Server	ick check to configuration

g. Continue with the wizard and then **unclick** "Start MySQL Workbench after setup" and "Start MySQL Shell after Setup" (we will open the shell manually to show how to do it), then click "Finish".

MySQL Installer		-		×
MySQL. Insta Adding Commun	aller Installation Complete nity The installation procedure has been completed.			
License Agreement	Copy Log to Clipboard			
Choosing a Setup Typ	pe Start MySQL Workbench after Setup			
Product Configuratio	on			
Installation Complete	2			
		[Finish	
Carlostore The		Strength Hall	-	_

- h. Now go ahead and **open** the MySQL command line that just installed. It's name will be "**MySQL 5.7 Command Line Client**", where 5.7 is the version number.
- i. When the shell opens it will ask for your **password**.



j. Once in type in "**show databases**;" to get a list of the current databases.

MySQL 5.7 Command Line Client	
nter password: ****** Welcome to the MySQL monitor. Commands end with ; or \g. our MySQL connection id is 8 server version: 5.7.19-log MySQL Community Server (GPL)	
Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.	
macle is a registered trademark of Oracle Corporation and/or its offiliates. Other names may be trademarks of their respective owners.	
ype 'help;' or '\h' for help. Type '\c' to clear the current input statement.	
iysql≻ show databases;	
Database	
information_schema mysql performance_schema sakila sys world	
nvsal>	

k. Now add the new database for Adilas by typing "**create database adilasmini;**". Now check to see that the database was added by typing "**show databases;**" again or hitting the up arrow twice and hit enter.

MuSQL 57 Command Line Client
MySQL 5.7 Command Line Client
Database
<pre>information_schema imysql performance_schema sakila sys world for ows in set (0.00 sec) mysql> create database adilasmini; Query OK, 1 row affected (0.00 sec) mysql> show databases; </pre>
Database
information_schema adilasmini mysql performance_schema sakila sys world
7 rows in set (0.00 sec)
mysal≻

- I. Now that the database is created within MySQL, close the shell or type "exit".
- 3. Link adilasmini database with ColdFuion
 - a. Open your **ColdFusion administrator** in a browser and **enter your password**. <u>http://127.0.0.1:8500/CFIDE/administrator/index.cfm</u>
 - b. Under "Data & Services" click "Data Sources" in the left hand menu.

Expand All. / Collapse All.			
▼ SERVER SETTINGS			
Data &	Servic	es > Data Sources	
Settings			
Request Tuning Add and	manage	vour data source connections a	and Data Source Names (DSNs).
Caching You use	a DSN to	connect ColdFusion to a variet	ty of data sources.
Client Variables			
Memory Variables Add Ne	w Data S	ource	
Mappings			
Mail Data So	ource Nai	ne	
Scheduled Tasks Driver			Select a valid driver type:
WebSocket	Add		
Charting			
Font Management			
Document	te d Dete	C	
Java and JVM Connect	cted Data	Sources	
Settings Summary Actions	5	Data Source Name	
▼ DATA & SERVICES	×	cfartgallery	
Data Sources	×	cfbookclub	
ColdFusion Collections	-		
Solr Server	×	cfcodeexplorer	
Web Services	×	cfdocexamples	
REST Services			
Flex Integration Verify	All Conn	ections	
PDF Service			

c. Type in "adilassalida" as the Data Source Name and select MySQL 5 as the Driver and click "Add".

Add New Data Source		
Data Source Name	adilassalida	
Driver	MySQL 5	٣
Add		

- d. You will most likely **get an error** saying that the **MySQL JDBC driver** is no longer shipped with ColdFusion so we need to go download it.
 - The standalone MySQL JDBC driver is no longer shipped with ColdFusion.
 Please download it, put it in cf_root/lib folder and restart ColdFusion.

Data & Services > Datasources > MySQL 5

MySQL 5 : adilassal	ida		
CF Data Source Name	adilassalida		
Database			
Server		Port	3306
Username			
Password			
Description			
Show Advanced Sett	ings		

- e. Go find the MySQL JDBC driver online and download it for your machine (.zip for windows, .TAR for mac). <u>https://dev.mysql.com/downloads/connector/j/5.1.html</u>
 * once again click "No thanks, just start my download" if you don't want to create an account.
- f. Once it is downloaded, **unzip** the folder and click into the folder. There should be a file with a **.jar extension**, titled something like "**mysql-connector-java-5.1.44-bin.jar**". Copy that file into memory.

src .	9/14/2017 9:41 PM	File folder	
🖻 build	9/14/2017 9:41 PM	XML Document	90 KB
CHANGES	9/14/2017 9:41 PM	File	241 KB
COPYING	9/14/2017 9:41 PM	File	18 KB
mysql-connector-java-5.1.44-bin.jar	9/14/2017 9:41 PM	JAR File	977 KB
README	9/14/2017 9:41 PM	File	60 KB
README	9/14/2017 9:41 PM	Text Document	63 KB

- g. Now **navigate to your ColdFusion directory**, then cfusion, then lib. It should be **C:\ColdFusion2016\cfusion\lib**. Paste or drag the **.jar file into that folder**.
- h. Before this will take effect we will need to **restart ColdFusion**. To do this go to your "**Services**" app by typing it in your start menu search or going to your "Settings" from the main menu and typing in "view local services" to the settings search.
- i. Once the Services app is open find "ColdFusion Application" and right click and restart.

🔍 Services (Local)	Services (Local)					
	ColdFusion 2016 Application Server	Name	Description	Status	Startup Type	Log On As ^
	Chan the section	Certificate Propagation	Copies user		Manual	Local Syste
	Restart the service	Client License Service (ClipS	Provides inf		Manual (Trig	Local Syste
		CNG Key Isolation	The CNG ke	Running	Manual (Trig	Local Syste
		ColdFusion 2016 .NET Service	Lets you ac	Running	Automatic	Local Syste
	Description:	ColdFusion 2016 Add-on Se	The ColdFu	Running	Automatic	Local Syste
	ColdFusion pages cannot be	ColdFusion 2016 Applicatio	The main C	Punning	Automatic	Local Syste
	processed if this service is not	ColdFusion 2016 OD	art	unning	Automatic	Local Syste
	running.	ColdFusion 2016 OD Sto	op	unning	Automatic	Local Syste
		COM+ Event System Pa	luse	unning	Automatic	Local Service
		COM+ System Appli Re	sume		Manual	Local Syste
		Computer Browser Re	estart		Manual (Trig	Local Syste
		Connected Devices F		unning	Automatic (D	Local Service
		Connected Devices F All	l Tasks >	unning	Automatic	Local Syste
		Connected User Expe	fresh	unning	Automatic	Local Syste
		Contact Data_47c16			Manual	Local Syste
		CoreMessaging Pr	operties	unning	Automatic	Local Service
		Credential Manager	elp	unning	Manual	Local Syste
		Cryptographic Servic		unning	Automatic	Network S
		🎑 Data Sharing Service	Provides da		Manual (Trig	Local Syste

- j. Once it has finished restarting go back to your browser to the **ColdFusion administrator** page. You will have to **sign back in** and navigate back to the Data Sources tab. Enter in your **data source name** as "**adilassalida**" and select the **MySQL 5 driver**.
- k. Now the **error at the top should be gone** and you can enter in the database information. **Enter in the following**:
 - i. Database: adilasmini
 - ii. Server: localhost
 - iii. Username: root
 - iv. Password: **enter your MySQL password

Now click show advanced settings and **unclick "Maintain connections across client requests"** and click submit.

Data & Services > Datasources > MySQL 5	
MySQL 5 : adilassalida	
CF Data Source Name	adilassalida
Database	adilasmini
Server	localhost Port 3306
Username	root
Password	•••••
Description	
Hide Advanced Settings	
Connection String	li li
Limit Connections	Restrict connections to
Maintain Connections	Maintain connections across client requests.
Timeout (min)	20 Interval (min) 7

I. Now the datasource of "adilassalida" should show up with a status of "OK".

Connected	Data Sources		
Actions	Data Source Name	Driver	Status
 <th>adilassalida</th><th>MySQL 5</th><th>ОК</th>	adilassalida	MySQL 5	ОК
	cfartgallery	Apache Derby Embedded	
×	cfbookclub	Apache Derby Embedded	

4. Setup Git Repository

- a. If you don't have a **bitbucket account**, set one up. Once you have an account setup then **email me** (alan@adilas.biz) or Brandon (brandon@adilas.biz) with your bitbucket username. We can add you with just your name but if there are multiple users with your name we won't know which one is you.
- b. Once you have been added to the www_adilas repository, **login to bitbucket** and you will see "**www_adilas**" under your repositories. Click on it.

	Bitbucket	Repositories
Q	Overview	FILTER BY: Owner • Project • Watching
+	Repositories	Repository
	Projects	🧟 www_adilas
	ရီ Pull requests	
	🛃 Issues	
	🗙 Snippets	

c. On the repository overview page there will be a **URL** you can copy to help you **clone** the repository.

	Overview	Overview		
\diamond	Source	HTTPS ➤ git clone https://UgotAlan@bitbug	ket.c	
¢	Commits	Last updated 6 hours ago	36	2
រៃ	Branches	Language ColdFusion	Open PRs	Watchers
ຳນ	Pull requests	Access level Admin	99+	0
¢	Pipelines		Branches	Forks
	Issues			

- d. To help with this process go ahead and **download "Git Bash"** for windows. <u>https://git-scm.com/download/win</u>
- e. During installation go ahead and use all the default settings and then change it to "Use Git from Git Bash only". Continue to install with all the other default settings.



 f. Now that git is installed navigate to your ColdFusion web root folder (C:\ColdFusion2016\cfusion) and right click on "wwwroot" and select the "Git Bash Here" option.



g. A command line shell will open. Either type or right click and **paste the URL** from bitbucket in and hit enter. It will prompt you to type in your **bitbucket password** and then it will start downloading all the Adilas files into your local ColdFusion server.



h. Once the repository is downloaded you can use Is to list the files/folders in the wwwroot directory. The use cd to change directory to www_adilas/. Once you are in the new directory linked with bitbucket, it will have (master) at the end of the file path showing that the cloning worked.



i. Now that you have the Adilas files you are now ready to load up your adilasmini database with some test data.

5. Setup Database With Test Data

- First go ahead and get a Graphical User Interface (GUI) to interact with the database so you don't have to use command line. MySQL-front is a good free option. <u>http://www.mysqlfront.de/</u>
- b. Follow the default settings then click on "Associate .sql(SQL File) with MySQL-Front" and install.



- c. Open MySQL-front when it is finished installing and **hook it up to the adilasmini database. Set the following**:
 - i. Name: adilasmini
 - ii. Host: localhost
 - iii. Password: ** password for MySQL
 - iv. Database: select adilasmini

Description		
Name:	adilasmini	
Connection		
Host:	localhost	
Port:	3306 🔹	
Connection Type:	Built-in	\sim
Login Information		
Login Information User:	root]
Login Information User: Password:	root]
Login Information User: Password: Database:	root ****** "adilasmini"]

d. Now **open the connection** to adilasmini and **click on adilsmini under localhost** on the left menu.



e. Now click on File -> import -> SQL file



- f. Navigate to the www_adilas repository we setup with bitbucket and go into the database_updates folder and select "adilasmini.sql". The directory should be C:\ColdFusion2016\cfusion\wwwroot\www_adilas\database_updates
- g. Once the test data is loaded we need to make a quick change to use this for local testing. Go to "general_table", then click "Data Browser" on top. The first record in the table will say "live" in the "general_use" column. If you look at the "general_note" it says we need to flip it to "test" for it to work for local testing. Now you should be ready to start updating your tables with any of the new changes.

				+			
s= 📬 📢	I	🖫 Object Bro	wser 🔛	Data Brow	ser "	🖍 SQL Edi	tor
custom	_docs_to_ ^	0 🚔 20	00 🗧 환	Filter			
custom	_documen	general_id	general us	e	genera	al_note	
custom	er_contact	(1	test	tł	his allo	ws me to s	witch between t
custom	er_credit_	2	2007	9	97500,	social secu	urity wage limit fo
custom	er_history	3	2008	1	102000), social sec	curity wage limit f
custom	er_log	4	2009	1	06800), social sec	curity wage limit (
custom	er_photos	5	2010	1	06800), social sec	curity wage limit f
custom	er_queue	6	2011	1	106800), social sec	curity wage limit t
	er_queue_	7	2012	1	10100), social sec	curity wage limit (
	er status	8	2013	1	13700), social sec	curity wage limit i
	er types	9	2014	1	17000), social sec	curity wage limit I
	ers	10	Version 0 - F	Prior to 2 F	Papert	ickets, han	dwritten invoice
	icite	11	Version 1 - 2	2001 to 2 V	Neb ba	ased invent	ory tracking, sto
the factor	d settings	12	Version 2 - 2	2002 to 2 F	-ull par	ts and gene	eral inventory de
	_secongs	13	Version 3 - 2	2004 to 2 P	ayroll	reports & w	thholdings, com
depart	ments	14	Version 4 - 2	2006 to 2 F	-ull sys	tem rewrite	, base of permis:
	_history	10	Version 5 - 2	2007 to 2 L	LOTS OF	new accou	inting reatures. /
	_line_item	10	Version 7 - 2	2003 N	Mercria Maior M	int process	ng - credit cards
deposit	_photos	18	Version 7 - 2	010 - Pa N	Major m	work on in	ventory ordering
deposit	s	19	Version 8 - 2	2011 to 2 A	Added	elements of	time calendar
direct_o	deposit	20	Version 8 - 2	2011 to 2 M	Maior e	ffort to defi	ne how the syste
elemen	ts_of_time	21	Version 9 - 2	2013 to 2 N	Vew cu	istom code	& custom interfa
elemen	ts_of_time	22	Version 9 - 2	2013 to 2 H	-lired c	ollege inter	ns to help with c
error_r	eporting	23	Version 9 - 2	2013 to 2 D	Defined	d world build	ding levels & def
externa	al_transact	24	2015	1	18500), social sec	curity wage limit (
🗰 fed_sta	ate_allowa	25	Update: Ver	sion 9 - I T	This up	date includ	ed a number of
federal	tax_table	26	Update: Ver	sion 9 - I A	Added	a new mon	ey type. It is for t
financia	al categori	27	Update: Ver	sion 9 - I T	This up	date will ad	ld a new field to
financia	al group s	28	Update: Ver	sion 9 - I S	Split up	the invoice	es and invoice p
financia	groups	29	Update: Ver	sion 9 - I E	Each c	orp has its	own corp-specif
	un types	30	Update: Ver	sion 9 - I L	Jpdate	d the corp-	wide settings to
	up_cypes	31	Update: Ver	sion 9 - I L	Jpdate	s D1-D5 to	D1-D10. Adjust
		32	Update: Ver	sion 9 - I L	Jpdate	s Add T11	T20 to the Sub

6. Database Updates

- a. Navigate to the **update_home.cfm** page in your browser. <u>http://127.0.0.1:8500/www_adilas/database_update_home.cfm</u>
- b. Now start with **update_20160223** and make your way down.

Updates for 2016

-	
[version 9 - update 20160115] -	Created new tables for direct deposit and external transactions
[version 9 - update 20160201] -	- Add new table to store field settings.
[version 9 - update 20160223] -	- Add Midax/Expo money type.
[version 9 - update 20160301] -	- Add new time template settings.
[version 9 - update 20160309] -	- Add new column for the default cart.
[version 9 - update 20160314] -	- Update and add new tables for sub special flags/categories.
[version 9 - update 20160330] -	- Update for sub special flags/categories notes.
[version 9 - update 20160419] -	- Added some invoice locking options.
[version 9 - update 20160420] -	- Change daily_visit_value column type from varchar to text.
[version 9 - update 20160425] -	- Update for the task queue and history.
[version 9 - update 20160427] -	- Added a number of new ecommerce corp-wide settings.
[version 9 - update 20160503] -	- Update for the task queue run date/time.
	version 9 - update 20160115] version 9 - update 201602201 version 9 - update 20160223 version 9 - update 20160301 version 9 - update 20160302 version 9 - update 20160302 version 9 - update 20160314 version 9 - update 201603301 version 9 - update 201603301 version 9 - update 201604201 version 9 - update 201604201

- c. There are some issues with the database update so be aware of the following.
 - i. You don't need to update the version control table on updates.
 - ii. On **update_20160905** go ahead and use the **link at the bottom of the page** since there aren't any test sub inventory items in adilasmini.
 - iii. On **update_20170627** don't click to update for corp 22 or it will break. Go up to the **URL** and change corp from **1** to **53** to **skip corp 22**.
 - iv. Skip update_20170719 doesn't apply to local testing.
- 7. Login to Adilas
 - a. Now go to the Adilas login page. Bookmark this page if you want. http://127.0.0.1:8500/www_adilas/top_secret/index.cfm
 - b. Use the following for testing login
 - i. Corp Key: testing
 - ii. Username: Guest
 - iii. Password: 1234
 - c. From the homepage click the dropdown menu for "System Management" and select "Assign Payee Permissions (this corp)".

System Time & Requests:	System Reports:			
	System Reports:			
select V Go	select V Go			
System Assets:	System Maintenance:			
select V Go	select V Go			
System Liabilities:	System Management:			
select V Go	select V Go			
	select			
	Add/Edit Payees & Permissions			
	Manage Corp Info & Permissions			
	Assign Payee Permissions (this corp)			
	System Assets: select V Go System Liabilities: select V Go			

d. Then click on "Guest, Guest". Go down until you find permission #132 and turn it on and click save at the bottom of the page.

	Documentation.	aonas API (appneaton programming metrace).	
132.	Developer"s	This is a small section to help developers do special look-ups. These include things like part categories, customer tupes and pavee/vender id"s. This section is for adilas hiz developers.	Id=135
	riomepage.	(jpes, and payees whom is 5. This section is for adhas.org developers.	
133	Add/Edit Help Files	This permission gives the user the right to add/edit the application help files. Once this permission is turned on the	Td=13

e. Now from the homepage select "**Developers Homepage**" from the "**System Maintenance**" dropdown.

System Time & Requests:	System Reports:				
select V Go	select V Go				
System Assets:	System Maintenance:				
select V Go	select 🗸 Go				
System Liabilities: select So Go	select Flex Grid Tie-In Homepage Customer Homepage Add/Edit Expense Type Add/Edit Deposit Type Global Parts Mark-Up Global Stock/Unit Mark-Up Bank Homepage Department Homepage Location Homepage Developer"s Homepage				

f. From here click the middle option to "Update Tables".

reset this page update tables 7?? help file				
Quick Preset Look-Ups	Direct SQL Look-Ups			
Corp Key Id: *	Your Password:			
ok-Up Value: select ~ *	SQL Type: Select Insert Update			
Submit	SQL Code:			

g. Now go through and update all the different pieces from what is live on Adilas.biz.

the Adilas I leed to make : erver below y ge on.	Developer Update page. Th sure that your local machi you would like to copy fro	his pa ne is m, th	ge allows you to get the m up-to-date with the servers en select the table you wou	ost recen and also ild like to	t table data from any of our servers. This is u in making sure all servers have the same tab o copy. All tables will be copied to the machi
	Adlias.biz (default)	~	Web Pages	~	Update/Transfer Table
			Web Pages		
			Help Files		
			Payee Permission List		
Back			Web Page Parameters		
Dack			Web Page Results		
			Web Page Sub Results		
			Web Page Samples		
			Money Types		

h. Now that you have updated all these pieces you should be **good to start** building things out and testing things locally.

8. Setting up Sublime

- a. To write ColdFusion code it helps to have a text editor that does syntax highlighting and code completion. Sublime is a free text editor that has this functionality. If you wan to use it, **download** the latest version (**Sublime 3**). <u>https://www.sublimetext.com/3</u>
- b. Install Package Control by pressing Ctrl + Shift + P and then type "Install Package Control".



c. Once package control is installed we now need to **install the ColdFusion package**. Press **Ctrl + Shift + P** again and type in **"Package Control: Install Package"**.



d. It will open a list of packages. Type in **CFML** and select it to **install** the ColdFusion Package.

untitled - Sublime Text (UNREGISTERED)	-	×
File Edit Selection Find View Goto Tools Project Preferences Help		
♦		
CEMI		1
	- 1	
cFos ml syntax		
Syntax highlighting for cFos mI-files		
install v1.0.2; github.com/ArmorDarks/cfos-mI-syntax		
CFML	11	
CFML (ColdFusion and Lucee) package for Sublime Text 3		
install v0.24.2; github.com/jcberquist/sublimetext-cfml		
	- 11	
CFML DocPlugin		
A Sublime 272 plugin for game. VUIDes shile comments in CEMI (Beth tags and early		

e. Now **restart** Sublime and you are good to go. The syntax highlighting should look like this once the package is installed correctly.



9. Git Bash Commands

a. **Overview** of How does Git/Bitbucket Work

The git/bitbucket repository (**repo**) is a collection of all the files that Adilas tracks. It is stored on the cloud so that users have access to the files based on **permissions** to that repo to 1. **Read**, 2. **Write** (update copies), 3. **Admin** (update master files). When a user needs the files from the repo they **clone** (create a copy) on their own computer.



Once the user has a copy of the repo they need to grab updates from that repo to keep up to date with those files on their own computer. This is done by sending a "**pull**" request to bitbucket to pull new code changes down from the cloud. If the user then makes changes on their local machine they can "**commit**" those changes and then update the cloud repo by sending a "**push**" request to send the changes up.

To help not introduce errors in the master files you can create "**branches**" (duplicate files) so you are not working directly with the master files. This allows you to make changes and make sure they work before you decide to "**merge**" (combine back in) with the master files.



This allows users to create as many branches of the master files as needed and then only **merge** the files back in if you want to keep those changes that you made for that branch, otherwise you just **delete** the branch and start a new one.

- b. Since there are several developers using the same set of code we use bitbucket to help us with version control. You have **already** installed Git Bash earlier to **clone** the www_adilas repository from Adilas. Anytime you are going to be looking at/altering code you need to use Git to make **sure that your code is up to date** so you are not working on code that has been changed since you last used the code.
- c. To make it so you don't have to navigate directories via command line, navigate to the **www_adilas** folder (not inside it). I would recommend pinning the folder to your "quick access" bar so it is easy to find. Do this by right clicking and selecting "Pin to Quick Access". Once it is pinned then you can access it in the "Quick Access" menu in windows explorer.



d. To open Git Bash right click on the www_adilas folder and select "Git Bash Here".

📙 🛃 📑 🖛 I wv	wwroot		
File Home	Share View		
← → • ↑	> This PC → Local Disk (C:) → ColdFusion2016 → c	fusion > www.root	
 ✓ ≱ Quick access Desktop ↓ Downloads ≧ Documents 	Name cf_scripts CFIDE WEB-INF WEB-INF	Date modified 9/14/2017 8:53 PM 9/14/2017 8:53 PM 9/14/2017 8:54 PM 9/14/2017 10:28 PM	F F F F
Pictures	🖉 crossdomain	4/20/2017 5:00 AM	>
→ adalis → adalis → a OneDrive → This PC → Desktor → Docum → Downlo → Music	AMD Radeon Settings Expand Open in new window Browse in Adobe Bridge CS5.1 Git GUI Here Git Bash Here Scan with Windows Defender Unpin from Ouick access		
> E Pictures	Share with > Restore previous versions		

e. The git bash shell is now open and you should see the **name of your computer** (green) followed by the **path** to the www_adilas folder (yellow) and the current **branch** you are on (blue).



f. To make sure that you have the most current code you need to do a "pull" request. If you know the name of the branch you want to pull it doesn't matter what branch you are currently on. You just type "git pull origin branch" where branch is the name of the branch you want to pull. It will then show you a list of all the files that have changed since you lasted pulled down that branch.



You can also pull all branches but you need to make sure you are **in the master branch**. To **pull everything** you type **"git pull origin**" and it will show you all the branches that have changed since you last pulled. If nothing has changed it will give you the message of "Already up-to-date."



g. If you are starting a new project you need to make sure that you are on the branch that you want to copy all your files from (usually master) and make sure that your branch is up to date (pull). Now you can create a new branch by typing "git checkout -b newBranchName". This looks like a normal checkout but the -b flag tells git you want to create a new branch. Typical Adilas naming convention is your initials-branchNumber. Git will then create the branch and switch you to that branch.



h. To check to see if you have made any changes to the branch type "git status". You will either one of the following:

1. "nothing to commit, working tree clean" which means there are no changes.



File paths marked in red for un-staged files that have been changed.



3. File paths marked in green for files that have been changed and staged and are now ready to be committed.



Or 4. A combination of staged and un-staged files.



To move a file from the **un-staged to staged** status you need to "add" it to the staged i. files by typing "git add fileName" for a specific file or "git add ." for all un-staged files. You can check the status to make sure they are all staged (green) which means they are ready to be committed.



j. When you commit a file/files to your local repository you must to enter a message stating what was changed with the files. This can be done by typing git commit -m "type in your reason for the changes". If you forget to add the -m (message) with your message after it, it will open "vi" which is a command line text editor to allow you to type in the message. You type the message and then hit escape to stop typing and then type :wq (: allows you to type commands, w = write, q = quit) then hit enter. This also will happen if there were changes made to a branch between when you pulled and when you are pushing. Bitbucket will try to automatically merge the files for you (as long as the same lines of code weren't changed by both people) and will open vi to allow you to type a message.



When the commit goes through it gives a little message showing how many files were staged and the message that goes with those changes.



k. Now that your changes are committed locally you can now "push" those changes to bitbucket so that you can view those changes on bitbucket or so anyone else who needs to use code from your branch can "pull" down your new changes. To push code to bitbucket you type in "git push origin branchName". If your branch is new and it is your first time pushing it to bitbucket it will create that branch in the main repository.



I. The new versions of Git Bash cache your username and password so you never need to type them in when pulling/pushing code from your local repository to the bitbucket repository. If you would like to disable this feature to make help keep you from accidently pushing/pulling code when you don't mean to, you must open git as an administrator. To do this you need to navigate to where you installed it. The standard folder location is C:\Program Files\Git. Right click on git-bash and select "Run as administrator".



Now that git bash is open type in "git config --system --unset credential.helper". This will take your password out of the credential helper so when you pull/push it will prompt for your password.



If you want to **enter your password in the shell instead of the pop up** OpenSSL then type in **git config --global core.askPass ""**. As you see below, when I did a pull before the shell didn't prompt for my password but after running this command it now asks without taking you to a popup window.



You will want to also setup your email and name in git. To do this type in **git config -global user.email "yourEmail"** and then **git config --global user.name "your name"** to setup your account.

