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## Adilas Interns – Mini Project Requirements:

1. Pick a subject
  - a. If you need help, we can assign you a subject.
  - b. We recommend that you pick something that interests you and that you would be excited to plan, work on, and build.
2. Plan it out
  - a. Scope
  - b. Flow
  - c. Pages
  - d. Database
3. Database needs at least 3 tables. At least 2 of them need to be set in a one-to-many relationship.
4. Show some sample data from your database on paper. Looking for logic and flow.
5. Build your database
  - a. We recommend that you populate a dummy record in each table (usually id number 1).
  - b. Bonus 1 – We'd love to see different data types (as needed). This includes things like integers, strings (varchars), dates, decimals, Boolean values (yes/no switches), etc. Mix it up.
  - c. Bonus 2 – We'd love to see the database model planned out on paper, MS Word, or MS Excel. This helps us know that you thought about options, flow, and possible variables.
6. Start coding!
7. Use cfincludes for both headers and footers.
  - a. Headers need at least a graphic, a link, & a date.
  - b. Footers need at least a link and a copyright symbol.
8. All pages that use URL and FORM scope variables need both cfparam tags and validation.
  - a. Bonus 1 – Try to use a custom message page to handle all error messages and validation. This is usually done by setting one or more variables and then including a custom page that can handle those values. Don't forget to use a <cfabort> tag to help with page flow.
  - b. Bonus 2 – Build and use your own custom tags to help with a validation routine or to do the validation. Think one-to-many and code reuse.
    - i. As a note on the custom tags... Say you created a page called "my\_validation.cfm". You would access your page by using a <cf\_my\_validation ... /> tag. You would then setup your own attributes and then code against them. Ask for help if you need it. This is kinda fun.
9. Other requirements:
  - a. At least 1 dynamic search using conditional logic inside of your SQL statements.
  - b. Be able to do all of the following:
    - i. Add data (insert)
    - ii. Edit data (update)
    - iii. View data (select)
  - c. Connect all pages in some sort of logical flow.
  - d. Participate in a sign-off session with Brandon Moore or another assigned adilas developer or trainer.
  - e. Present your project to others and explain what is going on.
  - f. Have fun & ask questions! ☺