Individual Project Plan

* Week 4
  + Project Checkpoint 1
    - Complete problem statement
    - Build project plan
    - Create screen design
    - Push updated time log/journal to repo
  + Determine what DAOs I could use and implement
  + Learn about Hibernate and determine where it could be implemented in my project
* Week 5
  + Start application flow diagrams
  + Identify tables and fields needed in database
  + Write SQL to create database and tables if ready
    - Consider adding indexes - what will I query for?
  + Update time log/journal
* Week 6
  + Create all screens in draft form
  + Work out UI details
  + Learn more about AWS, deploy if ready
  + Update time log/journal
* Week 7
  + Project Checkpoint 2
    - Design and create database
    - Demonstrate use of DOA and Hibernate in my project
    - Demonstrate unit test
    - Demonstrate logging
    - Share class design diagrams
  + Peer code review 1
  + If not deployed to AWS, do so now
  + Determine security needs
    - Authentication
    - Protecting PII, mostly phone and email for my project
  + Update time log/journal
* Week 8
  + Determine how I will scrape craigslist
    - If this does not involve a web service then I need another one
      * Perhaps I can offer a web service for advertisers - they call with the customerID and I return the set of keywords they used in building notifications, order by use date. Something like that seems like it would work but needs development.
      * Soap vs. REST - determine plan
    - Determine how to test my web service, keep in mind during coding
  + Determine how I will regularly check for postings matching user notifications
  + Determine how I will generate the notifications
  + Update time log/journal
* Week 9
  + Project Checkpoint 3
    - Show project deployed to AWS
    - Demonstrate JSP using database data
    - Implement user authentication
  + Update time log/journal
* Week 10
  + Tweak any screens as needed
  + Build out screen scraper
  + Build out notification functionality
  + Update time log/journal
* Week 11
  + Determine what extra technology I will implement
    - possibly enums used in setting up notifications (states/cities/sale categories)
  + Determine how I can implement multithreading for my regular processing of notifications
  + Update time log/journal
* Week 12
  + Determine presentation approach
  + Start adding unit testing
  + Update time log/journal
* Week 13
  + Comment all code
  + Consider MDBs - use to kick off my regular notification processing?
  + Complete unit testing
  + Update time log/journal
* Week 14
  + Peer code review 2
  + Cushion time
  + Refactor any weak areas based on feedback
  + Update time log/journal
* Week 15
  + Cushion time
  + Present Individual Project
  + Figure out how I will record a video demonstration of my application and record/publish it
  + Update time log/journal