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
    - Review API linked below for User field considerations
  + Write SQL to create database and tables if ready
    - Consider adding indexes - what will I query for?
    - See linked API below for location information from craigslist
      * it is provided by area - I will need to decide if I roll up by state and I will need to do that.
  + Update time log/journal
* Week 6
  + Create all screens in draft form
  + Work out UI details
  + Learn more about AWS, deploy if ready
  + Peer code review 1
  + 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
  + 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 post in mass to craigslist
    - There is an API for this, described here: <https://www.craigslist.org/about/bulk_posting_interface>
      * Determine plan for creating request and processing the response
      * Determine testing plan
  + Determine how I will update and remove postings
  + 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 posting functionality
  + Update time log/journal
* Week 11
  + Determine what extra technology I will implement
    - possibly enums used in setting up notifications (areas/categories)
  + Determine if/how implementing multithreading would improve my regular service and implement
  + 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 when ready to post??
  + 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