# CST 8288 Capstone Project Part II Report

## Step 1: Set up

* Create new Dynamic Web Project in Eclipse
* Configure the build path to include Tomcat and the JDBC connector file
* Create basic HTML file to include in the WebINF folder
  + Will need minimum 3 HTML pages: Login, Signup, Profile
* From the original Class Diagram, the Login and Registration classes will be Servlets
* Create the database
  + Make it manually in MySQL Workbench
* In order to collaborate, we are using Github (through the native Eclipse features)
  + Learning how to get Git to work in Eclipse was difficult for all of us
* Start report (*Caitlin*)

## Step 2: Begin Development

* Started by creating packages and files for needed classes
  + Beans package (*Caitlin*):
    - User (abstract superclass)
    - Guardian (don’t need Staff class yet)
  + DAO package (*Kara*):
    - ApplicationDao (CRUD for DB)
    - DBConnection (Just connects to DB)
  + InMemory package *(None yet):*
    - ApplicationInMemory (creates the objects in memory)
  + Services package *(None yet*):
    - ApplicationService (Interface for ApplicationDao and ApplicationInMemory classes)
  + Servlets package (*Erica*):
    - LoginServlet (handles the login page)
    - RegistrationServlet (handles registration of new users)
* Create basic HTML pages for the login and registration pages (*Kara*)
  + Later remember to add Home page for signed-in users
* Continue having problems with Git every time we meet to work on the project
  + Slowly, as time goes on, we have fewer problems
* Realizing we don’t need the inmemory or services packages, we removed them

## Step 3: Putting it All Together

* For our MVP, we only really implemented the sign-in/sign-out and registration for parents/guardians. This part of the software can be used later for school staff as well, but nothing has been done on the staff end yet. We have not yet implemented the aspect of signing a child in or out or adding children to the parent/guardian’s profile.