

Course 1 Final Project

Tasks 1-4: Using Jira online, I started a new entire Project for Anna's "Henna Solutions" Web Page. To get started, I created some new epics including "Meetings Manager" and "Clients Manage", with user stories where we could add new clients and meetings in individual forms. I added these stories to a new sprint, assigned tasks, set specifics like dates, and began the first sprint.

Task 5: Using basic HTML and CSS we created some very basic webpages, and styled them. I used separate and inline styling, and basic HTML 5 form inputs to create a skeleton of a form section. This is just HTML at this point, and not connected to a backend nor even using JavaScript to read the form data. This served as a useful design start to the later parts of the project

Task 6: I took the design from Task 5 and rebuild it, using a new angular project to rebuild the whole page. We created Client Manager and Meeting Manager components, defined this components, and built them using Angular Reactive forms. I linked these using JS binding and can see the forms are reactive. I also created services for each to interface with the components.

Task 7: Using MySQL, I created a new DB "Henna_Solutions". I then defined and added two simple tables, one to holding meeting information, and one to hold client entries. I set the value types for various columns. This DB is not currently hooked up to the website as we have yet to learn backend components

Task 8: I had a LOT of trouble getting Cucumber to work, but this is in part as I wanted to use Cucumber in VSC and the learning labs had us do it in Eclipse. After watching various videos and reading blogs I managed to get the testing to work. I defined Features for both the meetings component and client component, and wrote Scenarios for both, using Gherkin "Given When Then" format, defined these in a steps file, and successfully ran tests.

Task 9: Simply using ng serve we are able to demonstrate our Angular App project. I was able to navigate to my various page components, made sure some small tweaks I made (like the banner design, and .ico image) remained consistent, that stub pages like "Home" function, and that our defined pages work. Both the Client page and Meetings page (this is being designed as the admin portal, not a client portal) function. Both display a dummy list of data, Clients and Meetings (predefined in our files, as again, there is no real backend yet), and each page has a working angular reactive form. The forms allow users to input data and we can see the form is being read live as a DATA FIELD I input below echos data read from the form using JS. I can see that I *could* read data in when the submit buttons are linked, but currently my on_submit functions dont do anything but echo data to the log. I verified I could use the forms to present the admin with appropriate choices (like a date picker for dates rather than a text field, and a time picker too) and that these function properly.

Task 10: I cloned a project I was working on from before, created a new repo on git, and

published the project. I was able to verify on github that the project commit was successful and can access all files through the repo