Homework Week 2

Specialization Project: Forum/ CFG Student Web App
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We are building a web app for CFG students, in this space students will be able to log in and have access to a number of different areas that will be useful during the completion of their CFG nanadegree and also acts as a hub for a number of helpful study resources. The main features of this app are:

- **Log-in/ Registration Page:** This is the opening page of our app. It is only accessible to CFG users.

- **Forum:** A space where CFG students are able to openly ask questions. This could be about a particular lesson, wider course experiences or to seek general technical guidance. Users will be able to ask and respond to relevant posts. If users have nothing to post they will be able to browse discussions that are happening in the forum and may also be able to 'like' them. Where users have posted questions that have been answered, they are able to mark their post as 'resolved'. This will support students in easily accessing relevant solutions to problems they may have.

- **Study Zone:** A space students can go to when they need to get focused. Area contains a pomodoro timer and a selection of focusing sounds .

- **Resources:** A collection of readily available study materials. These materials may be used directly in classes (presentations/ starter code), but may also be extra reading resources for further learning between classes and assessment support such as cheat sheets. This area is overseen and authenticated by CFG.
  Students will also have access to quizzes where they are able to test their knowledge on what they have learnt so far. Recommendations can be made to the user on what they can focus their learning on next

- **Profile:** The user base for our web application. Students will be able to view and change personal details. Students can also view their grades here

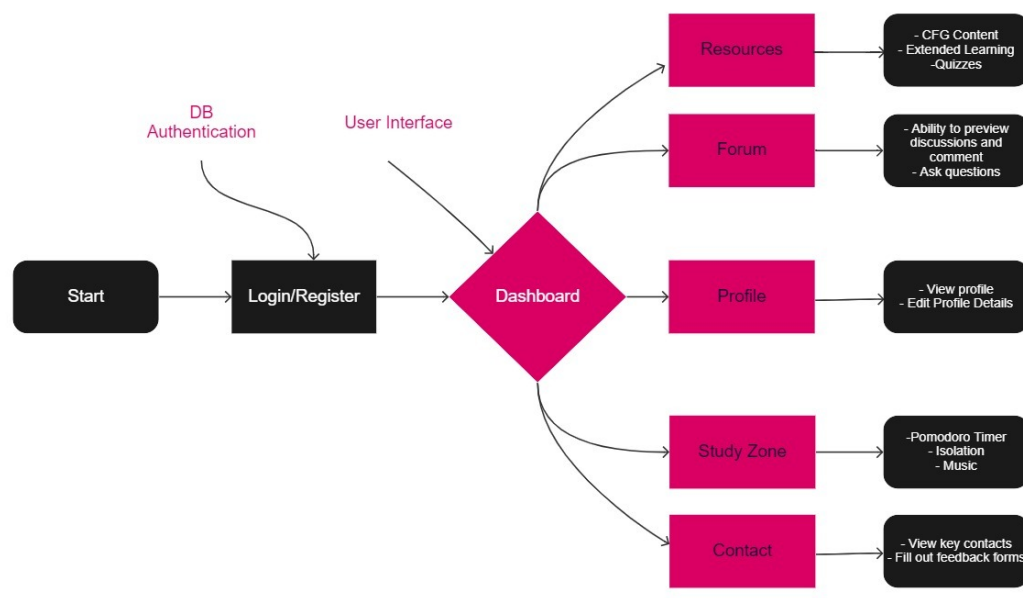What problem does our project solve?

As CFG Nanodegree students we have first hand experience of how much resources, content and learning we have to get through- this may be true no matter what our background is, whether we come from a career in tech wanting to level up our skills or if we are complete newbies and are career changers. Our project hopes to make the journey through the nanodegree as easy as possible

Forum supports socializing amongst students- This space is devoted to CFG students and us being able to use each other as a learning resource. Although things like stackoverflow exist, this is not the most friendly of environments for beginners and can prevent engagement with others. Our forum aims to bring specifically students together where they feel they can openly and easily ask questions that are

specific to CFG content and learning. We believe this will be beneficial to students as it not only brings students together but allows a space for relevant discussion and of course support.

One space for all resources- There is a lot of content within the nanodegree that we get through both in and out of lessons to help us get the best possible grades and to help us learn as much as possible. We thought it would be helpful for students to have one space that they needed to go to where they can find <u>all</u> the resources that they needed to support them in this course. The resource area is where CFG admins/students can upload authorized study materials that are relevant to their course (software/data/fullstack). This will support students to be more readily prepared for their class and put them in the best position to learn.

Students will be able to test their learning here- through the use of the quizzes, this supports students in solidifying their learning. Our software will be able to make recommendations and provide live feedback on what the student can study next to increase their knowledge

Team approach to project work:

Our first step was for team members to choose a feature and feedback on what should be prioritized through MoSCoW boards. We also discussed functionality and how each feature will link up with each other.

Team members are working together on developing the bigger features and taking turns to code and direct on next steps of the code. We do this through having sessions together with one person sharing screen.

All team members share relevant resources that help the development of our project.