

Project: CS and TCE Portfolio Project

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Project Client: Becky Bates and Rob Sleezer

Project Coach: Peg Burr

Before You Read: This project is pitched as a build vs buy. As such, there is a considerable amount of time (approx. 3-7 weeks per client wishes) at the beginning of this semester that will be spent understanding the client's needs, setting exact scope, and researching and developing prototypes based on existing options. As a result, there may arise a situation this semester in the case of a buy option where not all these skills are learned.

Topics	Skills	Resources	Learning Timeline
Git	Pull, Push, Merge, Branch, All the things that group software development do.	https://git-scm.com/doc / ask teammates who are experts in git.	EOW Week 7
Client Project Requirements	Types of Programs, Exact look of what each portfolio type is, file storage requirements,	Client communication	End of Client Meeting Week 2
Agile Development	Familiarity with Git, ClickUp, User Stories	Team members for ClickUp, Git Wiki (see above),	EOW Week 7
TypeScript /JavaScript Fundamentals	TypeScript syntax, Variables, data types, operators, control flow, etc.	Libraries, YouTube, TypeScript-Documentation	EOW Week 6
React	Familiarity with React library, Web app development/design, TSX syntax	Libraries, YouTube, React-Documentation	EOW Week 7
Wireframe Designs	Basic wireframe design ideology. Familiarity with design tools such as Sketch, Figma, etc.	Figma, Illustrator	EOW Week 6
Styling in React	Component styling with CSS	CSS Frameworks, Bootstrap	EOW Week 8
Presentation Skills	Practice creating and presenting a	Teammates, lots of practice, YouTube tech lectures on YC.	EOW Week 4

	presentation about a technical project		
Software testing	User testing, React application testing	Team members, Clients, Testing framework documentation	EOW Week 10
API development	API integration API Design	YouTube, online courses	EOW Week 7
Database development	Database design, MySQL syntax, Database frameworks	MySQL documentation, YouTube	EOW Week 7

Learning Process

At the beginning portion of each team meeting, we will have the opportunity to ask questions on any learning topic that is unclear. Within the team discord, we also have a channel to provide learning resources and tools that team members have used to learn

How we will achieve a productive learning mindset

- We will be open to receiving and giving help on problems
- We will evaluate our learning to make sure we are on task during our weekly stand ups
- Our learning is prioritized in the table above and subsets will be focused on weekly depending on the needs of our client at the time. This will ensure that we are as productive as possible.