

Full-Stack Practicum Learning Objectives



Below is an overview of Code the Dream's full-stack practicum curriculum. Each sprint is two weeks long and has specific learning objectives that the team should accomplish.

#	Sprint Name	Team Goals <i>Participants will be able to...</i>	Front End <i>Participants will be able to...</i>	Back End <i>Participants will be able to...</i>
0	Project Setup and Prep	Brainstorm app ideas and possible features; agree on a specific weekly meeting time and communication norms.	Agree on a specific weekly meeting time for the front end team.	Agree on a specific weekly meeting time for the back end team.
1	Project Scoping, Repository Setup, and Project Management	Scope the project by narrowing focus to key features; create a kanban workflow for the project; define specific roles for each team member.	Plan UI design and begin working on wireframing.	Create a data model and schema.
2	Building a Front End UI, a Working API, and Deploying Some Code	Develop professional communication and problem-solving skills for resolving merge conflicts; practice making pull requests in GitHub.	Design and hard code the UI, page views, and components; use test data arrays and objects to render data.	Design and build an API with CRUD capabilities, seed database, and test routes with Postman.
3	Authentication and Integration with APIs	Perform code reviews for teammates and integrate others' feedback into their code.	Replace hard coded data and lists with data and lists from the API.	Set up user login and authentication; implement using routes with live data with the front end team.
4	Email Features, Debugging, and Final Presentation Prep	Complete manual API testing; begin planning for final project presentation; complete peer evaluation.	Complete final design updates; deploy React app and test React app with deployed API.	Finalize and deploy API and update API readme document.
	Final Project Presentations	Plan and present final project presentation; prepare for next steps (CTD Labs Apprenticeship, another CTD class, job hunting, etc.)		