Capstone Project Proposal   
Array Bootcamp  
Fall 2021  
Katie Greenwald

Array Education Archive App

Objective:   
To obtain approval for the capstone project Array Education Archive App. A mobile application intended to be used by Array as a place to store and show various lessons, information materials, provide a schedule and group meetup and possibly entertain and engage users, through gamification.

Problem:   
Array keeps its lessons, and lecture materials across multiple sites and apps. It would be preferable and better for organizational purposes to keep all lecture materials and other relevant information in one place.

Solution:   
Create a more comprehensive app for Array, that makes the array boot camp learning experience more streamlined, convenient, and easier to use.

Work Plan:

Phase 1:  
Meet the minimum requirements for the app by creating a database, including some basic content for putting in the database, and the ability to pull said content for use and mark that you have read it. There will also be the ability of people with certain assigned roles to add new content. User’s will be able to create an account and login into the app to access the content. There will also be at least some basic front end, such as input forms and a theme.   
  
Phase 2:  
Adding some of the more useful extra features such as a calendar that shows assignment deadlines and the future schedule. The ability create and join groups. Groups will have their own chats, the ability to create task lists, and be able to assign certain users to specific tasks. Those with mod roles will also be able to create tests and quizzes, and automatically grade it upon user submission.   
  
Phase 3:   
Bonus phase, includes features done for entertainment and increased user engagement. Such as adding gamification elements. For example, every completed assignment will give experience points and having a certain number of points will make the user ‘level up’ and gain rewards such as unlocking certain privileges, gaining virtual currency used to buy such things as trophies or avatar decorations.

Wire Frame Examples:





