

School of Computing & Information Science

Spring 2020 Senior Design Project

advance

Virtual Advance Academy

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YTE

Problem

Students are eager to land their dream internship or full-time jobs, but are overwhelmed by the entire process. Concerns are anything from where should I start, how do I talk to recruiters, how do I create a polished resume and how can I succeed at behavioral and technical interviews?

Solution

Create an online complement to Advance Academy where students can access the content regardless if they are a part of the program or even a student at FIU.

The content would be customized for each student based on their experiences and knowledge.

Current System

Upsilon Pi Epsilon (UPE) created **Advance Academy**, an 11-week program, with cohorts of up to 10 students. Advance Academy covers all the major topics in recruitment as well they provide the opportunity to implement the skills they learn each week. The outcome of the program is that it will help students in their journey to landing their internship or full-time offer.

Requirements

- Supported on mobile and web
- User accounts to save progress
- At least 5 critical modules ready to go filled with content
- A survey to gauge their skill level and assign modules based off their results
- Section on where to learn more if they're eager to continue after the program
- Get advice from the pros + capture data on what seekers are looking for

Web Screenshots

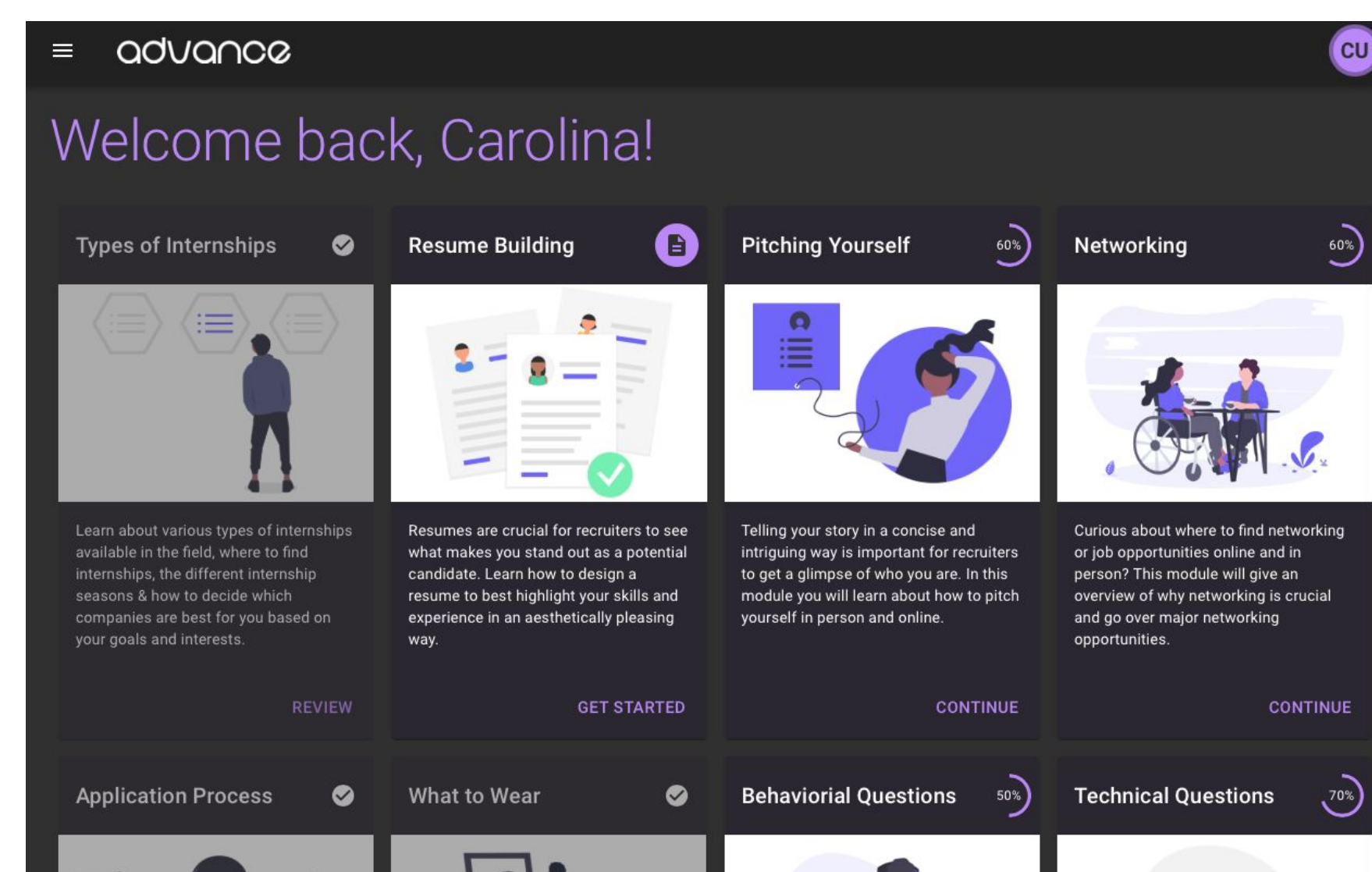


Figure 1: Homepage once a user is logged in

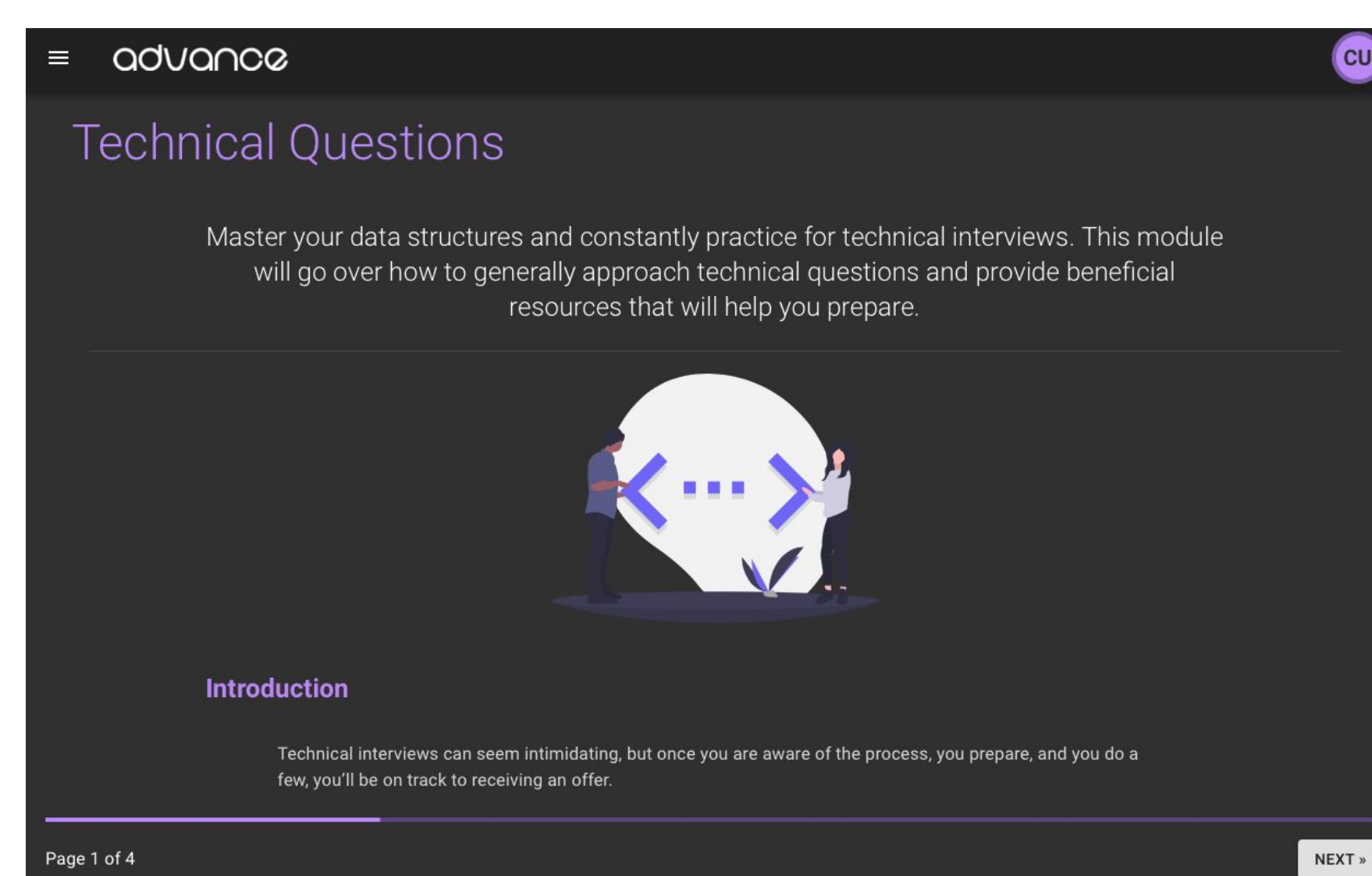


Figure 2: Technical Questions Module

Mobile Screenshots

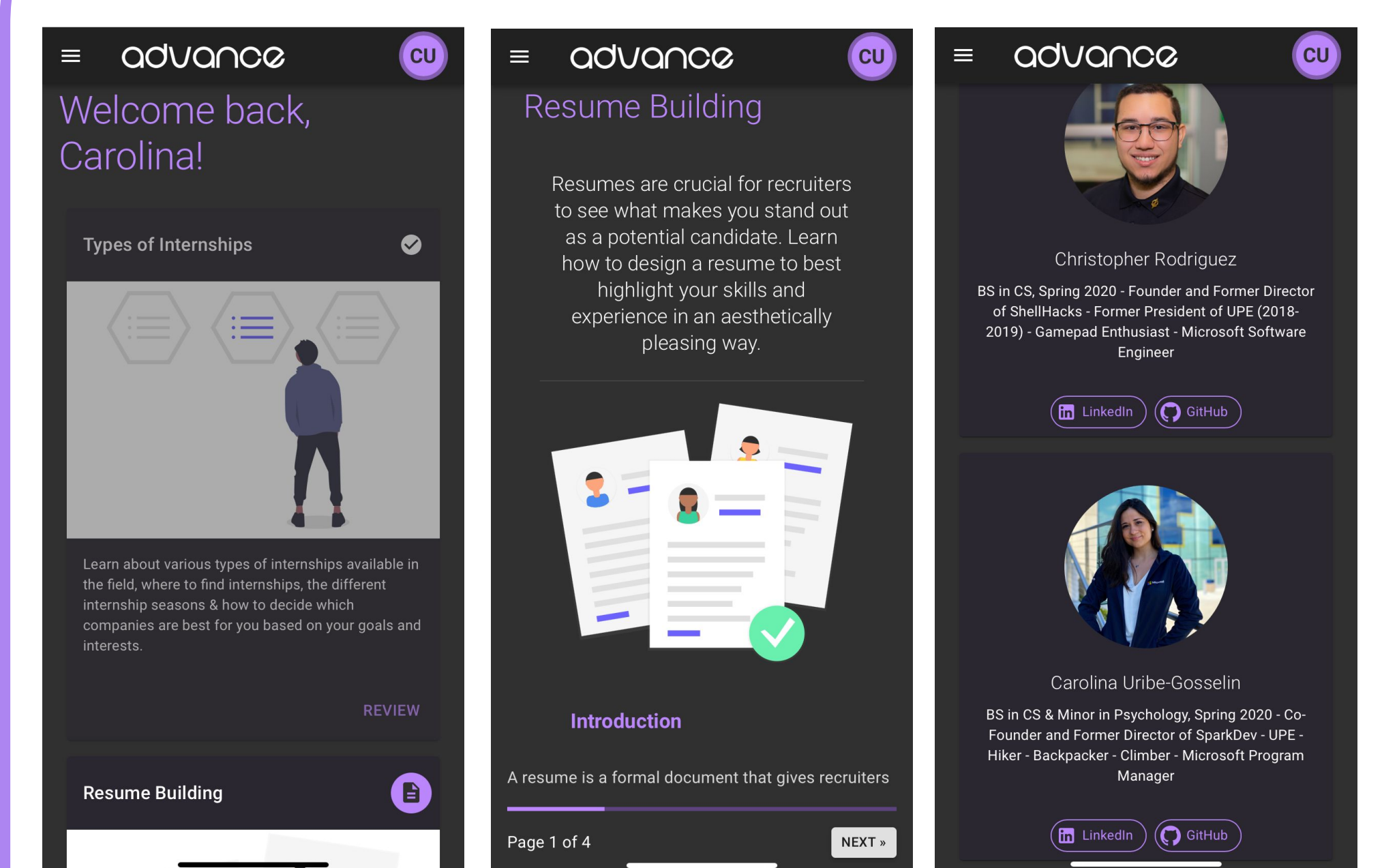


Figure 3: Homepage once a user is logged in

Figure 4: Resume Building Module

Figure 5: Contributors Page

Object Design

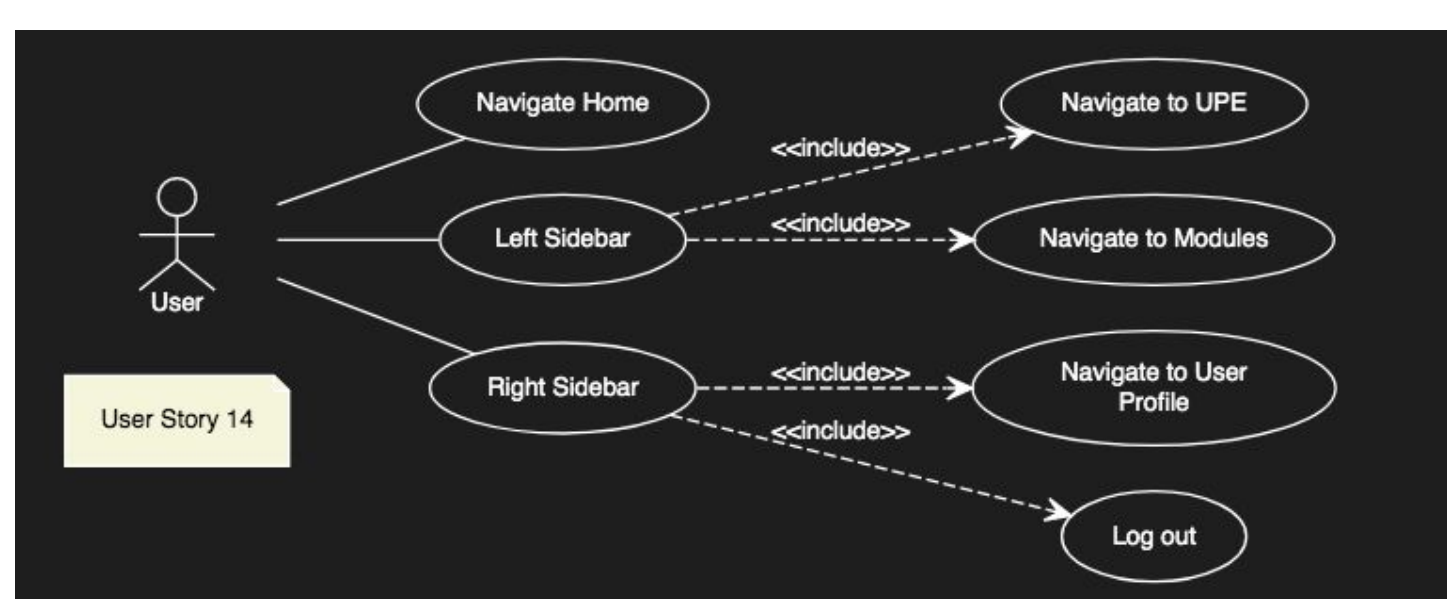


Figure 7: Use Case Diagram for User Story 14

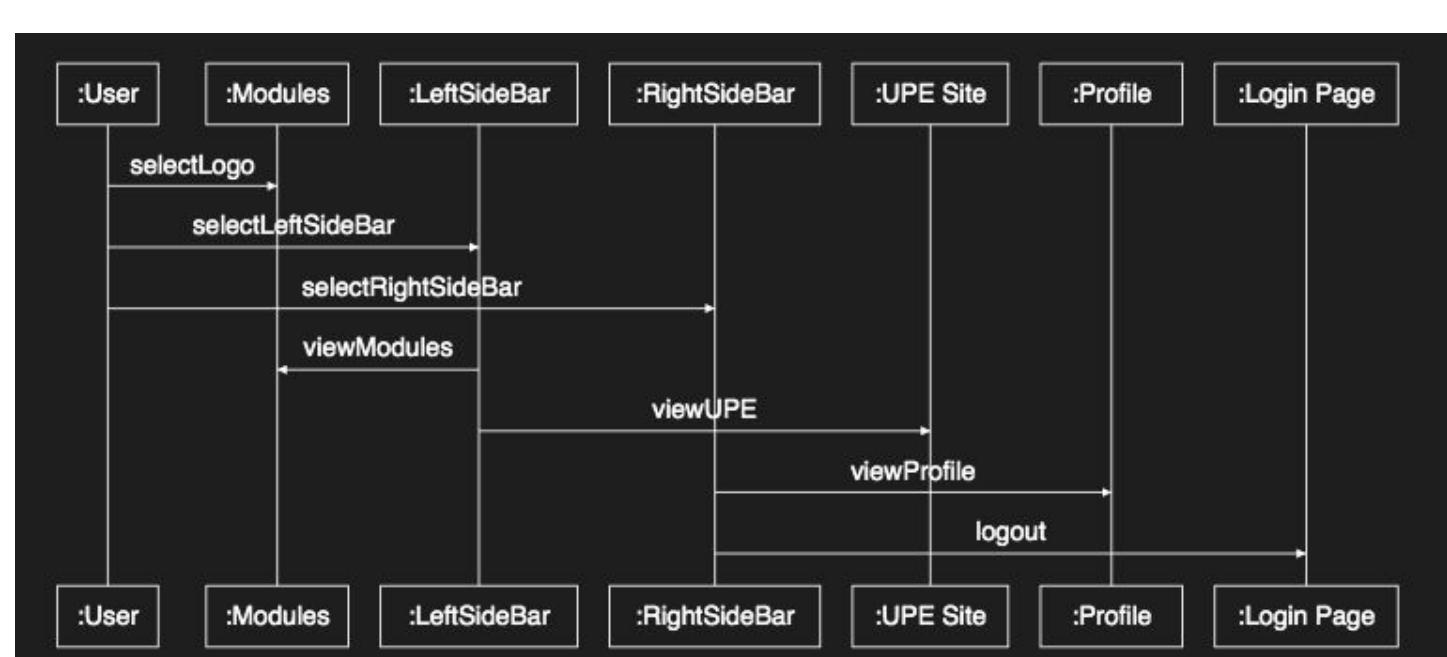


Figure 8: Sequence Diagram for User Story 14

System Design

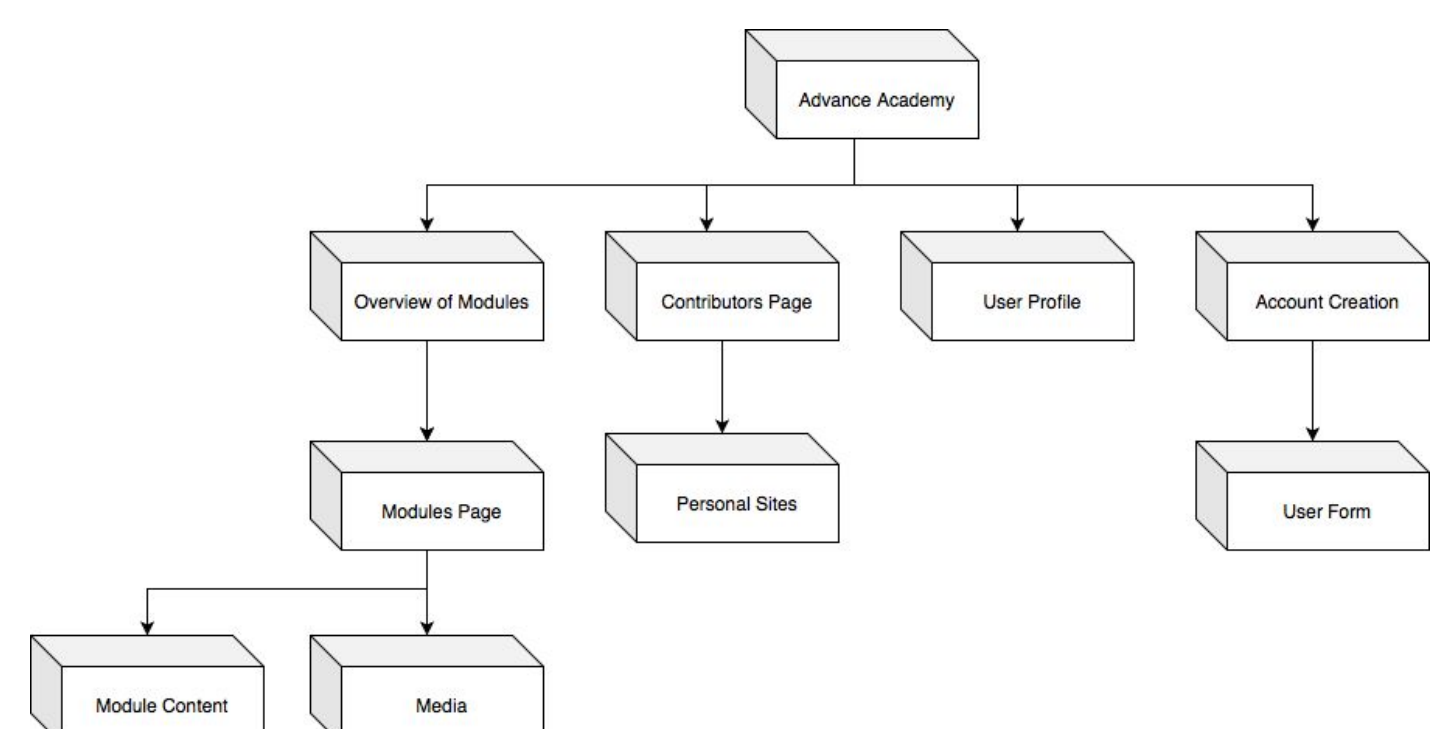


Figure 6: System and Subsystem Decomposition

Technologies



Summary

This is the first version of a Virtual Advance Academy, and overall all goals for this project were met as well as a couple extra added in features/pages. In the next iteration we hope to see blogging, quizzes to validate the users knowledge, submit resumes for review, and more!

The site is active and ready to use!

advance.upefiu.io

Acknowledgements

The material presented in this poster is based upon the work supported by UPE's Advance Academy and the programs founder, Carlos Neira. I would like to thank Dr. Ross for supporting us and providing guidance throughout the project. As well as Christopher Rodriguez for being an incredible project partner.