

MICHIGAN STATE

UNIVERSITY

Project Plan

Internship Success App

The Capstone Experience

Team Humana

Nick Escote
Tia Fowlkes
Sayem Lincoln
Sara Seryani

Department of Computer Science and Engineering
Michigan State University

Fall 2020



*From Students...
...to Professionals*

Functional Specifications

Internship Success App

- Intern view vs. Admin view
 - Profile page
 - Calendar
 - Events List page
 - Events page
 - Q&A page



Functional Specifications

- Intern Persona

- Use Case #1:
Log in to app with pre-existing Humana account.
- Use Case #2:
Log and track personal goals.
- Use Case #3:
Access event calendar and event page with event details.
- Use Case #4:
Ask private questions to Humana admin.
- Use Case #5:
Share project work for feedback.



Functional Specifications

- Admin Persona

- Use Case #1:
Log in to app with pre-existing Humana account.
- Use Case #2:
Add events in the calendar.
- Use Case #3:
Edit events in the calendar.
- Use Case #4:
Accept private questions and select which one to make public.
- Use Case #5:
Answer private questions.

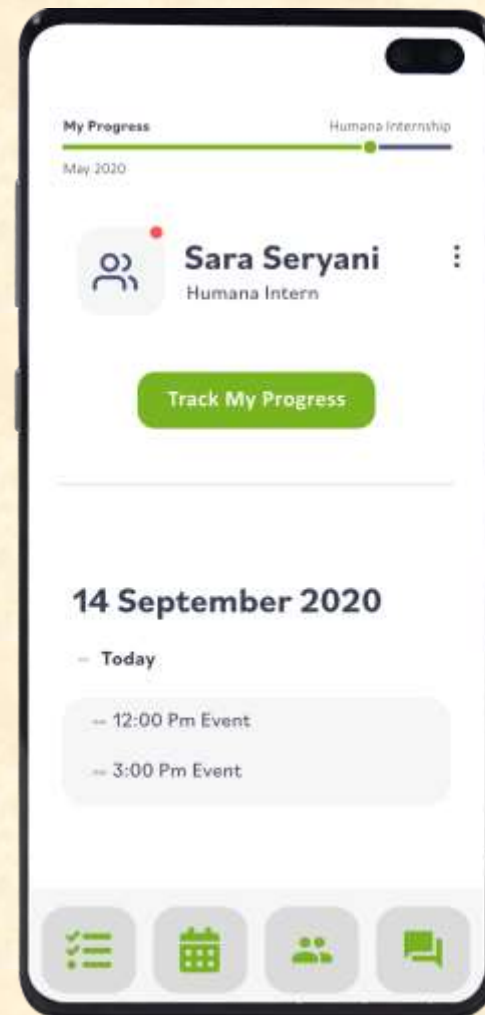
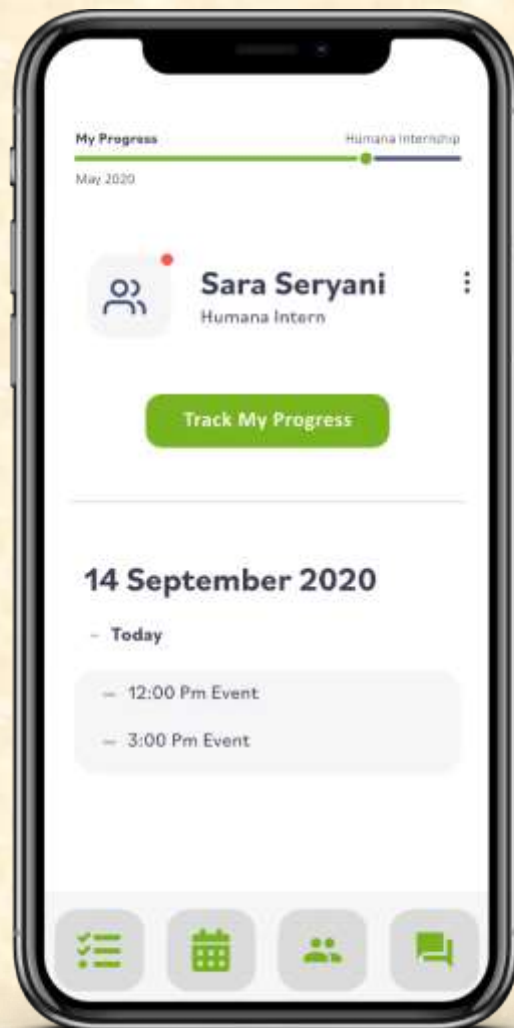


Design Specifications

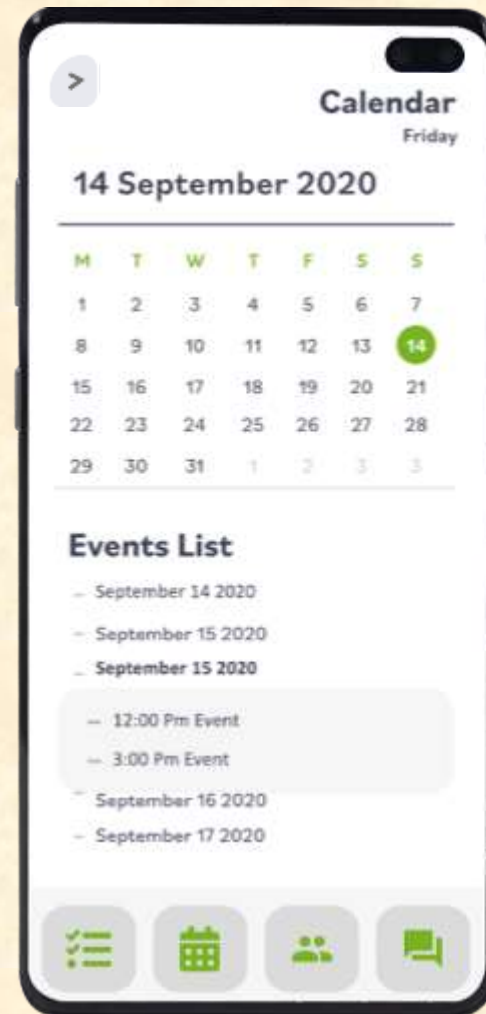
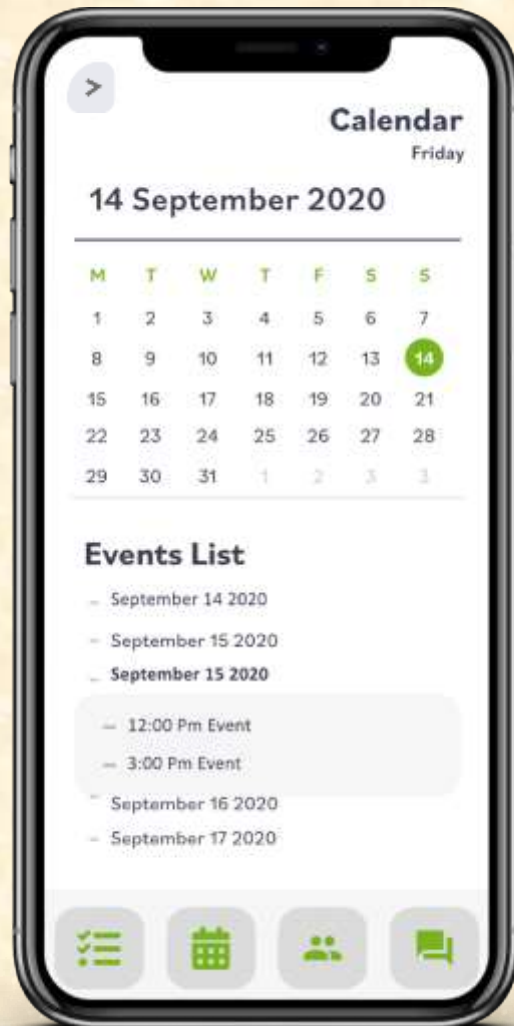
- Profile page
 - Provides accessibility for all app functionalities.
 - Track my Progress button - list and set Internship goals.
 - Progress bar – Internship goal progress.
 - Calendar and Events widget for quick view.
- Calendar & Events List page
 - Calendar page details activities and events.
 - Events List accessible via Calendar page.
 - Events List presents details of the day's event(s).
- Events page
 - Brief details presented with a photo of the event.
 - RSS feed for event interaction.
- Q&A page
 - Interns can send in questions.
 - FAQs listed.



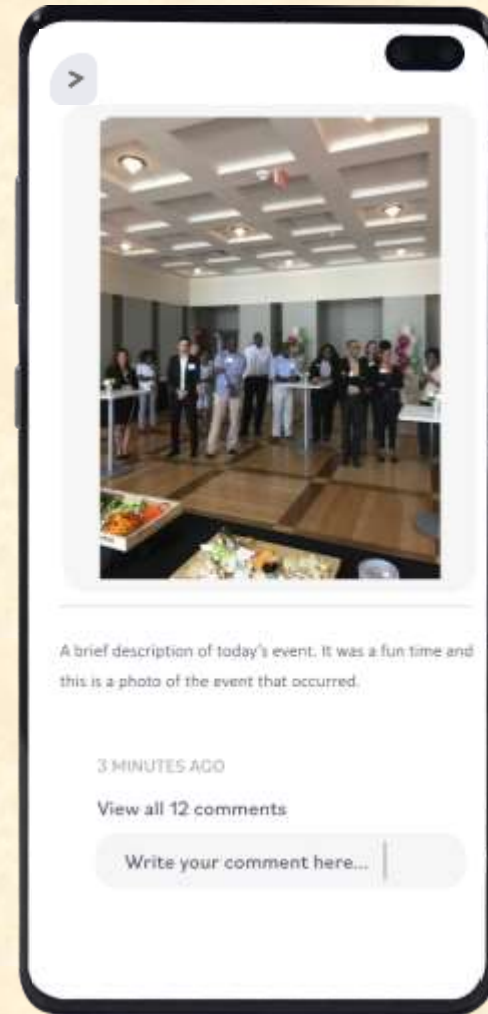
Screen Mockup: Profile



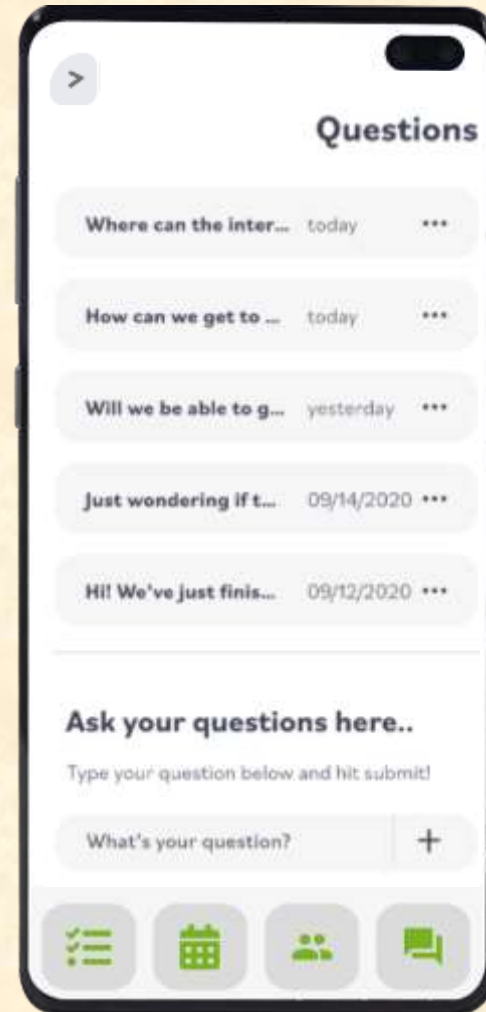
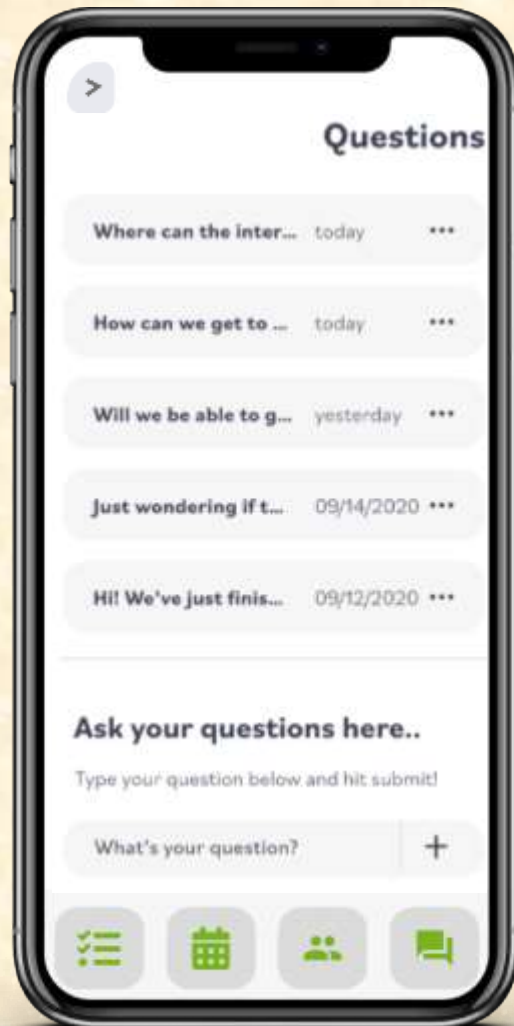
Screen Mockup: Calendar & Events List



Screen Mockup: Events



Screen Mockup: Q&A



Technical Specifications

- Adobe XD
 - Front-end UI development
- React Native
 - Backend Application development
- phpMyAdmin
 - Database integration
- Expo.io
 - Development testing



System Architecture



System Components

- Hardware Platforms
 - Windows & Mac devices
 - Android & IOS devices
- Software Platforms / Technologies
 - Adobe XD
 - React Native
 - phpMyAdmin
 - Expo.io



Risks

- Risk 1
 - Restricted from connecting employee database to app.
 - Mitigation: Using fake names to ensure proper log-in.
- Risk 2
 - Prevent sensitive data leak – authentication credentials, location, tokens.
 - Mitigation: Simulation with fake credentials and data to ensure no vital data leaks occur.
- Risk 3
 - Lack of accessibility for visually impaired users.
 - Mitigation: Use of third-party resources to verify app meets the needs of all types of users, regardless of their disability.
- Risk 4
 - Complicated UI.
 - Mitigation: Conducting test group for UI will provide a survey-based feedback on the UI, adjustments will be made according to the feedback.



Questions?

?

?

?

?

?

?

?

?

?

