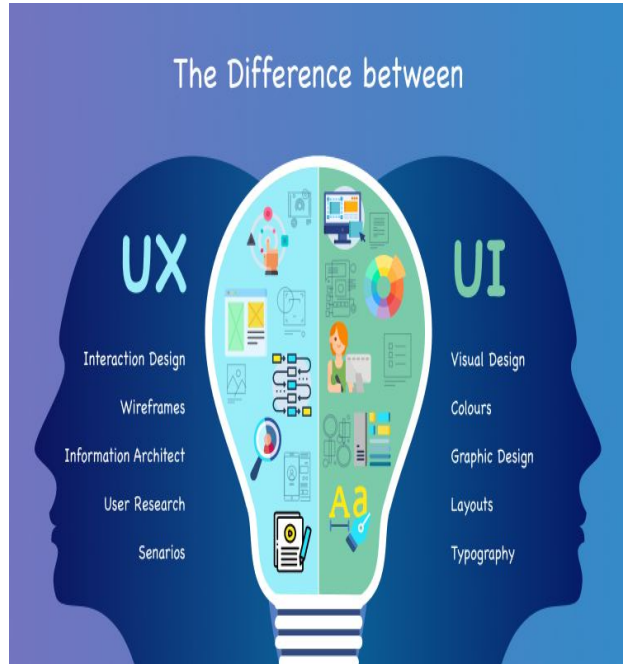# WuShock Go

SENIOR DESIGN PROJECT I MIDTERM PRESENTATION

FALL 2021

# Team members and Roles :

Tabor Mobile App Dev

- Team Lead: Karishma Bhakta (CS)
- Front-end 1 (UI / UX Design): Tan Tran (CS)
- Front-end 2: Dan Khuu (CS)
- Back-end: Sriram Srinivasan (CS)
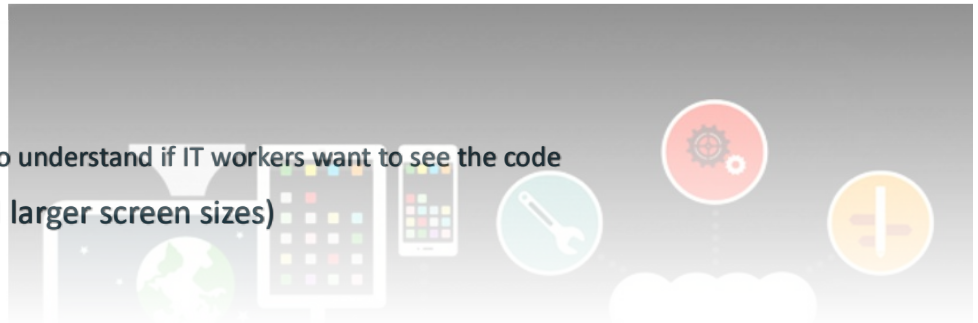- Full-stack: Fitri Rozi (CS)

# UI / UX Designs - Tan Tran



- Target : Students on campus and Alumni
- One Stop App : Registar, News feeds, Campus Events, Academics, Students Activities ( Dinning, sports, athletic events, education events,etc.)
- Personalize : Font size & styles, Theme, Icons, and Accessibility (ADA)
- Structure : Simple, informations all gather in specific area.
- Goals : We want a place for students to get information without searching around from multiple sources. To make this product long lasting and that it doesn't need to be manipulated often. A robust Application.
- Create a prototype/mockup using Figma, a software tool for designing our app

# Front End - Dan Khuu

Requirements :

- **Multi-platform : IOS & Android**
- **Simplistic design**
- **Static or Dynamic**
- **Utilize UI Libraries**
- **Use React Native**
  - **Expo tool kit**
    - **Great for testing**
- **Programming language: JavaScript**
  - **Most commonly used frontend language. Easy to understand if IT workers want to see the code**
- **Mobile responsive (supports phone, tablet, and larger screen sizes)**

# Back End - Sriram Srinivasan

- Connect to Firebase
  - Hosting service
  - Real-time database
  - Authentication
  - Create Cloud functions

Need a backend component to integrate data into app

(Ex: dining menu, sports schedule, social events, etc.)

- Design database schema & Entity / Relationship diagrams
- Why Node.JS framework?

- Can use JavaScript for frontend and backend

- Is it a faster app development?

- Can application be easily scaled?

- How can we handle more I/O requests without sacrificing time?



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# Full Stack - Fitri Rozi

- Integrate Firebase and React Native
- Talk to APIS from different departments
- Web Scraping
- Unit Testing
- Write documentation
- Review code
  - Follow proper convention
  - Provide comments
  - Reusability
- Provide authentication for user customization

# Team Lead - Karishma Bhakta

- Collect feedback from students
- Determine the overall cost of the project
- Get approval from App store and Google Play Store to submit the mobile app
  - Requires developer Certification
- Follow Agile project management

# Q&A's?

# Thank you !

Thank you for your time