

Grand Valley State University

CIS 641 - Systems Analysis & Design

Professor: Erik Fredericks

Project : Application Development - ShareRide App

Team Name: [Team-S](#)

Team Members:

[Hyeong Gyu Jang](#)

[Srikar Pratap](#)

[Sudarshan Venkatesh](#)

[Purva Tanmay Shah](#)



Project Description

- Community-specific ride-sharing app
- Technical Specification:
 - Python Flask server running on a cloud VPC
 - React-Native mobile application
- Member Roles:
 - Purva Mehta: Front-End Developer, Project Management
 - Hyeong Gyu Jang: Full-Stack Developer
 - Srikar Pratap: Front-End Developer, AWS admin
 - Sudarshan Venkatesh: Wireframe Designer



Project Time Goal

Original complete product delivery deadline: 12/11/2021

1. Front-end status:

Parts of UI development remaining

Parts of back-end linking remaining

2. Back-end status:

Completed dev, revising as front-end finishes



What has changed since midterm?

- Completed the UI screens that we initially planned.
- The backend functions like Posts loading, password recovery, email verification were implemented.
- Integration of back-end and front-end for some functionalities were done - login, load post, sign up and forgot password.
- Partial implementation of CI/CD workflow was done in AWS CodePipeline.
- Generated an APK of the RideShare mobile application for Android use.



Change Management Plan

1. Why Shareride app?

- cross-platform mobile app for all GVSU members
- Any member of our application can ask for a ride

2. Training people strategy:

- Train GVSU students during Student Orientation Program.
- Instruction of application installation will be available on blackboard
- Pre recorded video will be available for users

3. Integration within GVSU ecosystem:

- App will be integrated on myBanner website, a GVSU official portal.

4. Performance issue and monitoring:

- continuously monitor the application's performance and fix bugs
- The application follows CI/CD pipeline, deployed on AWS

5. Availability of the mobile application:

- The application will be available in Android and iOS operating systems.



Installation Guide

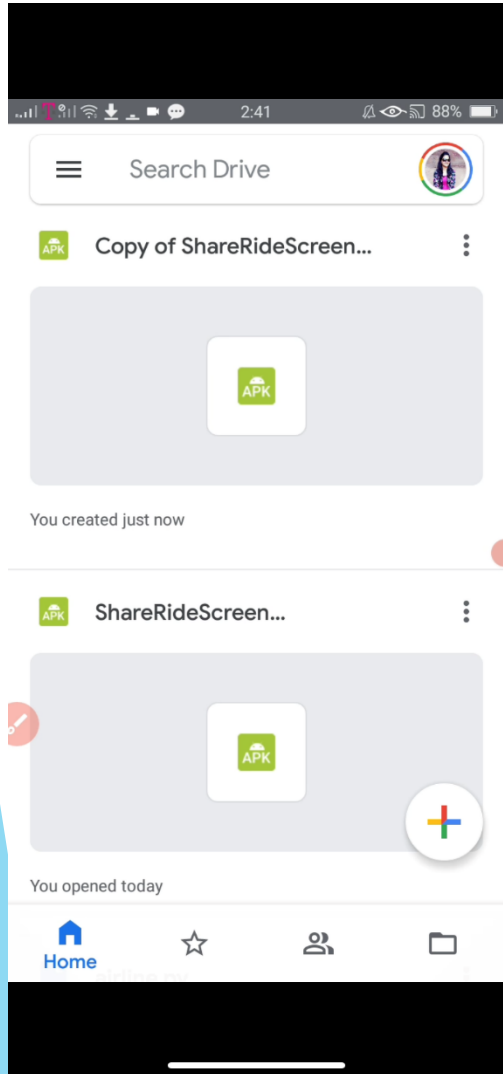
- ▶ QR code will be available on blackboard
- ▶ User can download apk file from location:
[APK](#)
- ▶ If anyone wants to see developer build then all files are accessible from location:

[Development files](#)

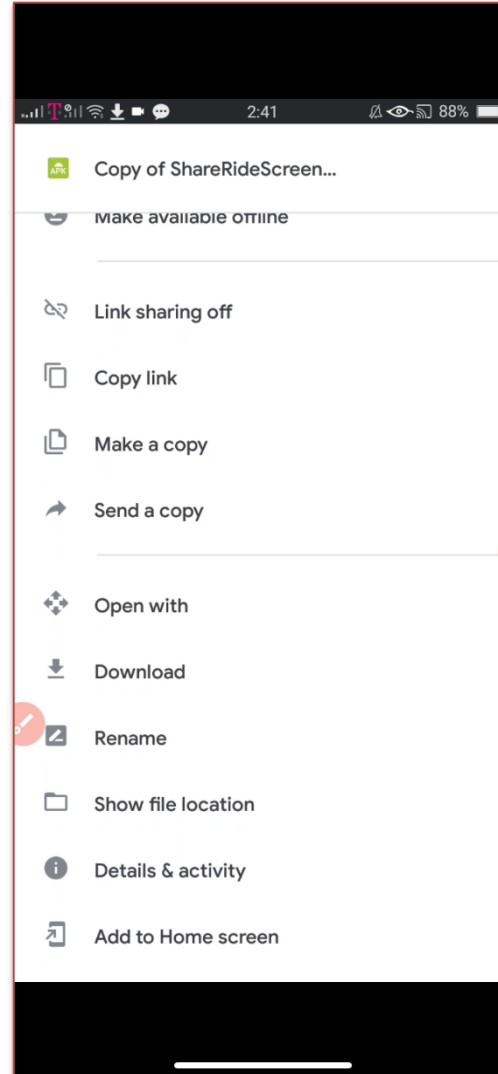


Installation Screens

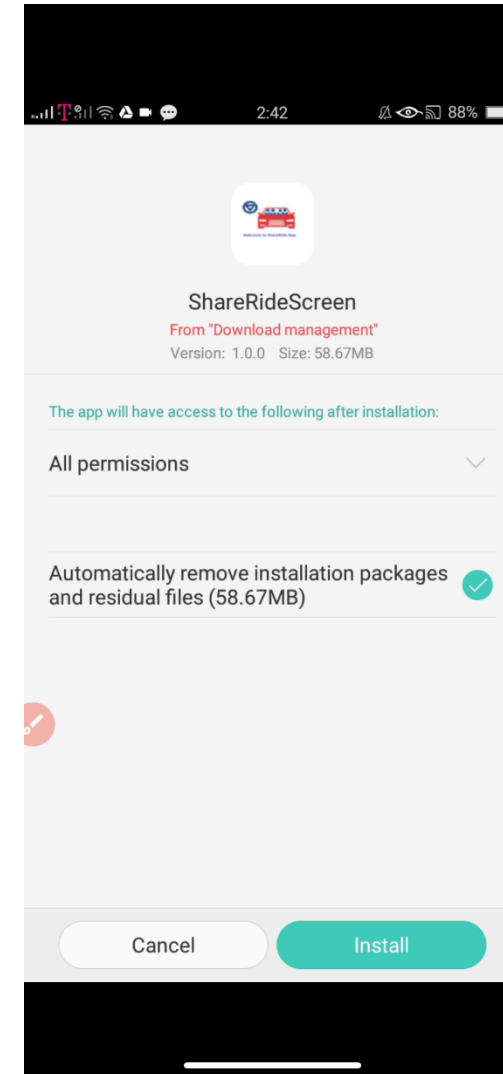
From APK Location



Click on Download



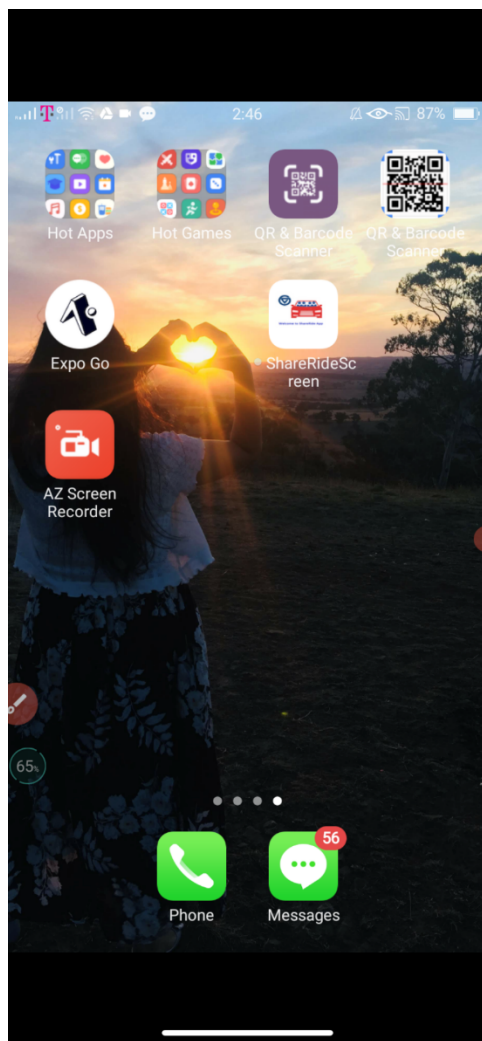
Click on Install



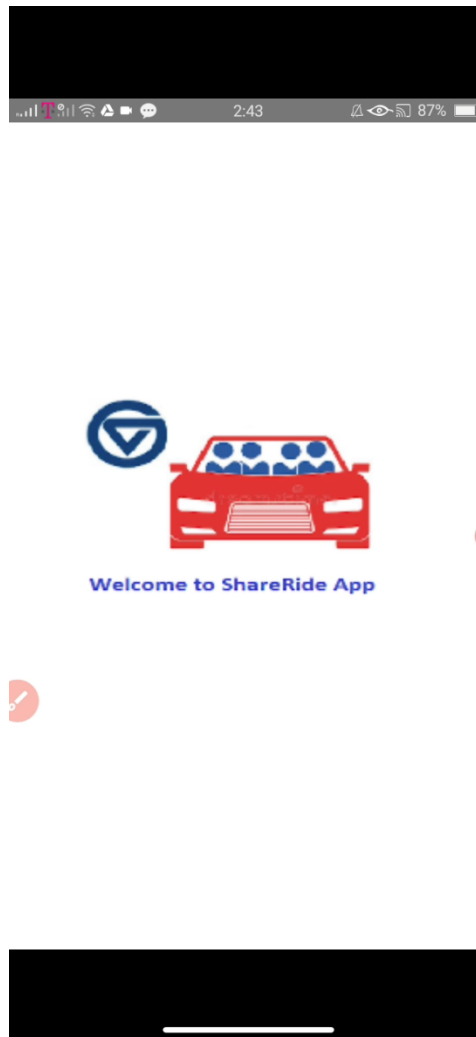


Installation Screens

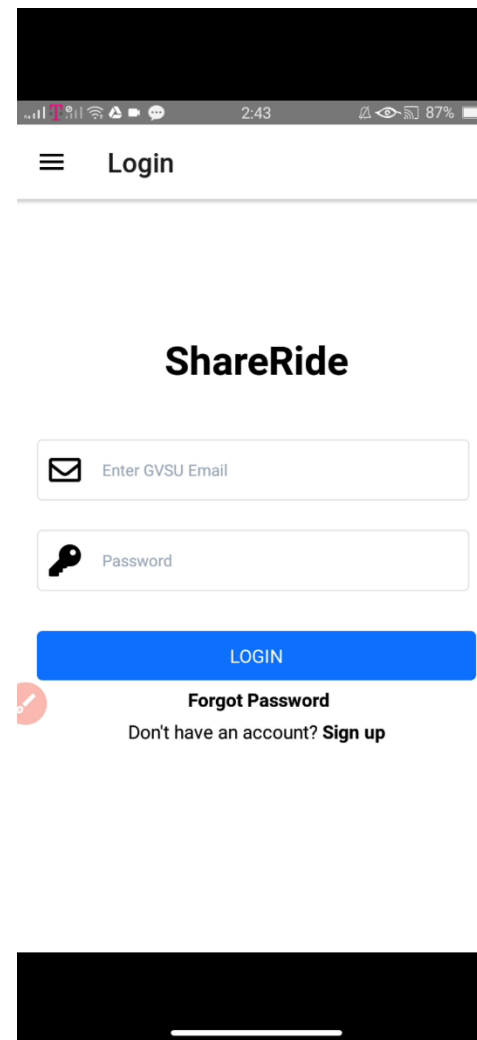
App Installed



Splash Screen



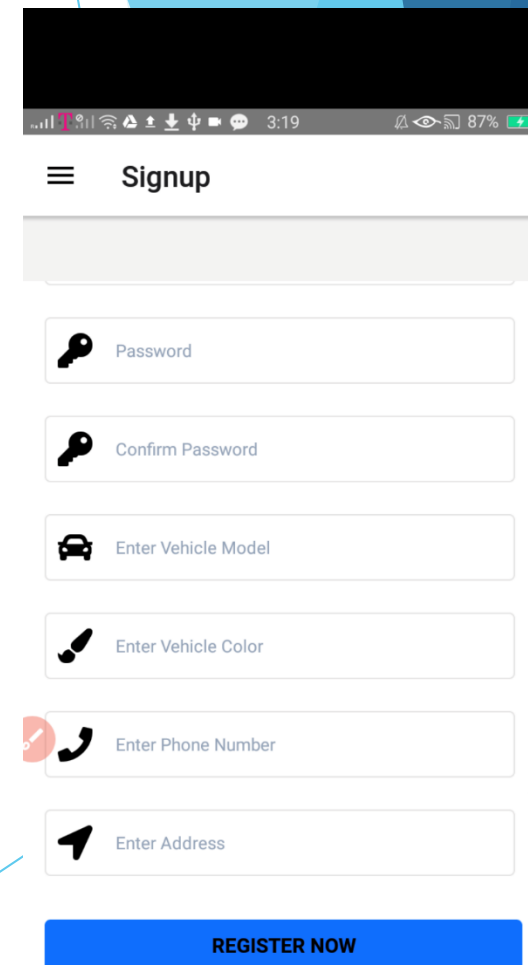
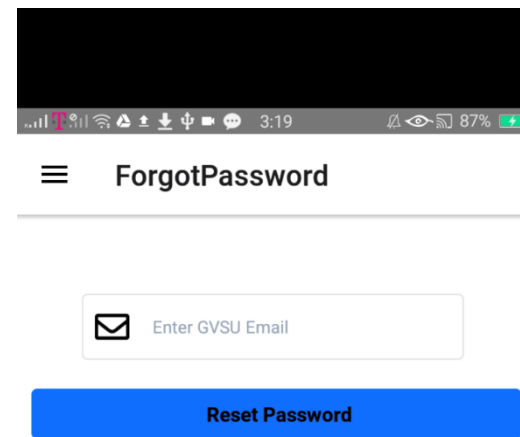
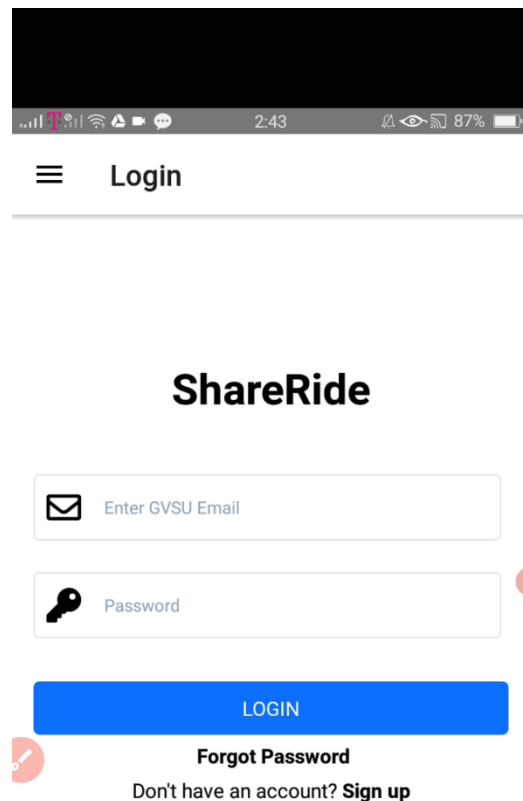
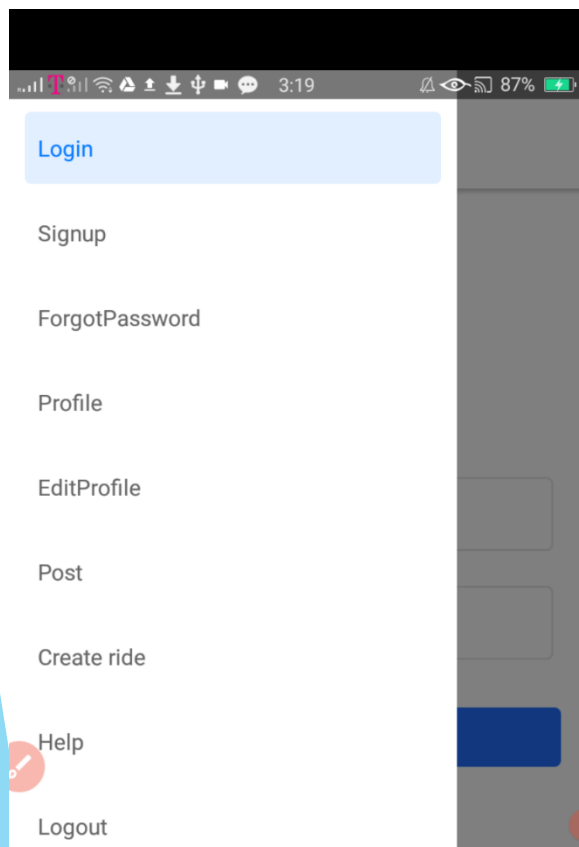
Login Screen





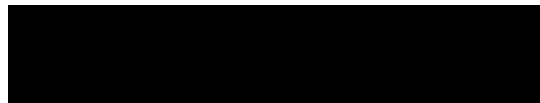
Front-End Screens

- All screens are available to users





Front-End Screens



≡ Profile



Welcome to ShareRide App

Edit Profile



Profile Name



Phone Number



Address



≡ EditProfile



Welcome to ShareRide App



Enter Your Phone Number



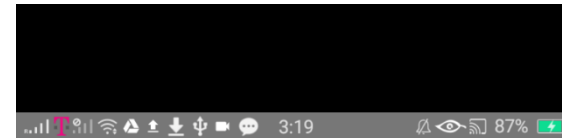
Enter Your Address



Enter Your Vechile Colour



Enter Your Vechile Model



≡ Post

Departure: new home
Arrival: for demo
Wed Dec 15 2021 15:19:42
GMT-0500 (EST)



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≡ Logout

Successfully Logged Out...!!!
[Click here to Login](#)



≡ Create ride

Ride Name

Departure Location

Destination

Time

Posted By

Driver or Passenger?

Create



Back-End Demo Video

Backend Demo



Thank You