



Ryde

V1.0 User Manual

Disclaimer

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Enjoy.

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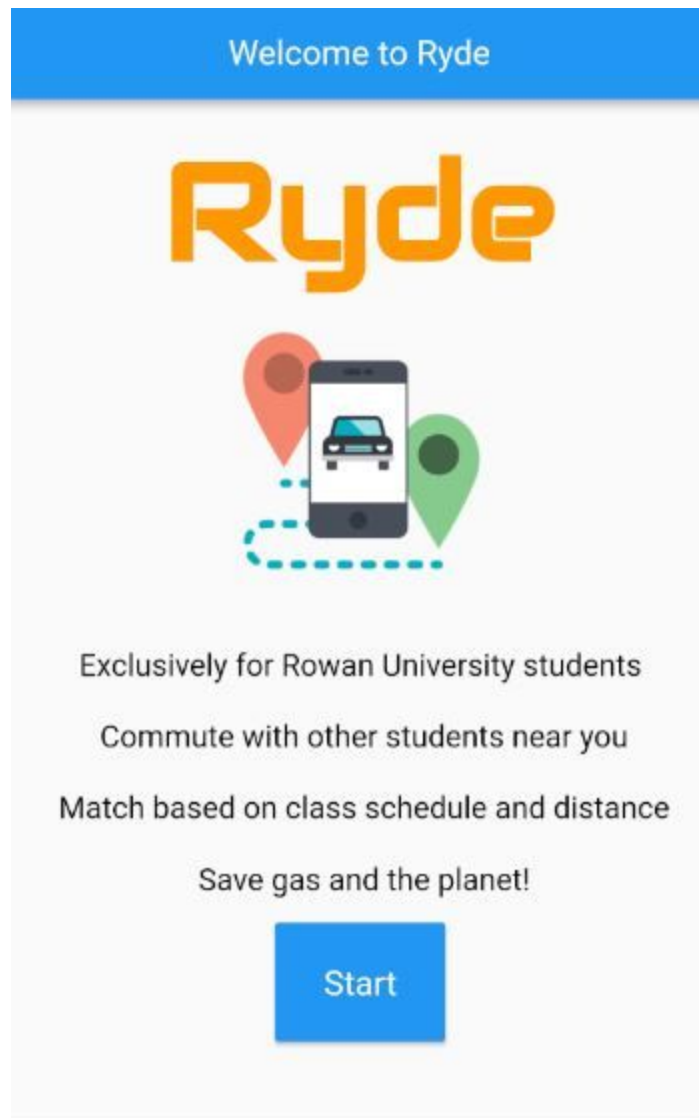
Introduction

Ryde is a mobile application created with the Flutter framework using the Dart programming language. It was developed by a team of computer science students for their senior project at Rowan University. The purpose of this application is to match users who live near each other and who commute to Rowan University so they can carpool together. Currently, only Rowan University students and faculty are supported, but more schools will be added soon. Advantages of using this application are that it saves the limited parking spaces at Rowan University, it saves commuters money, and it helps reduce air pollution by lowering the amount of traffic on roads.

Getting Started

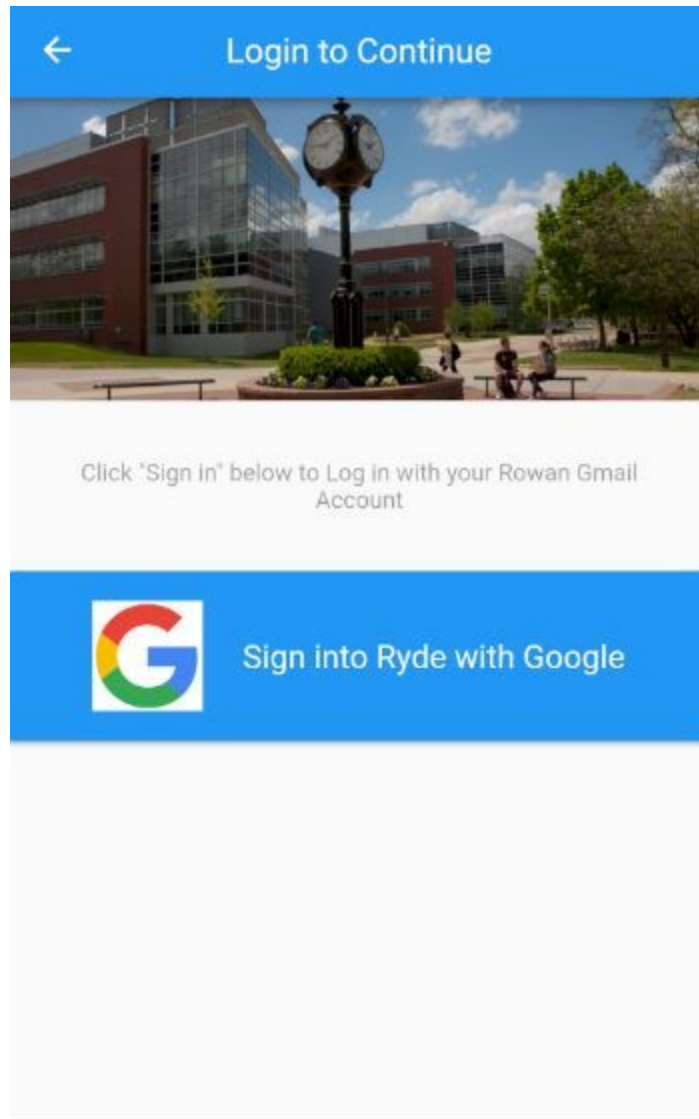
To start using this app, download it from the Google Play Store (Ryde is only supported on the Android platform, iOS will be supported soon).

Once downloaded, open the application and you should see the start screen which looks like the following:



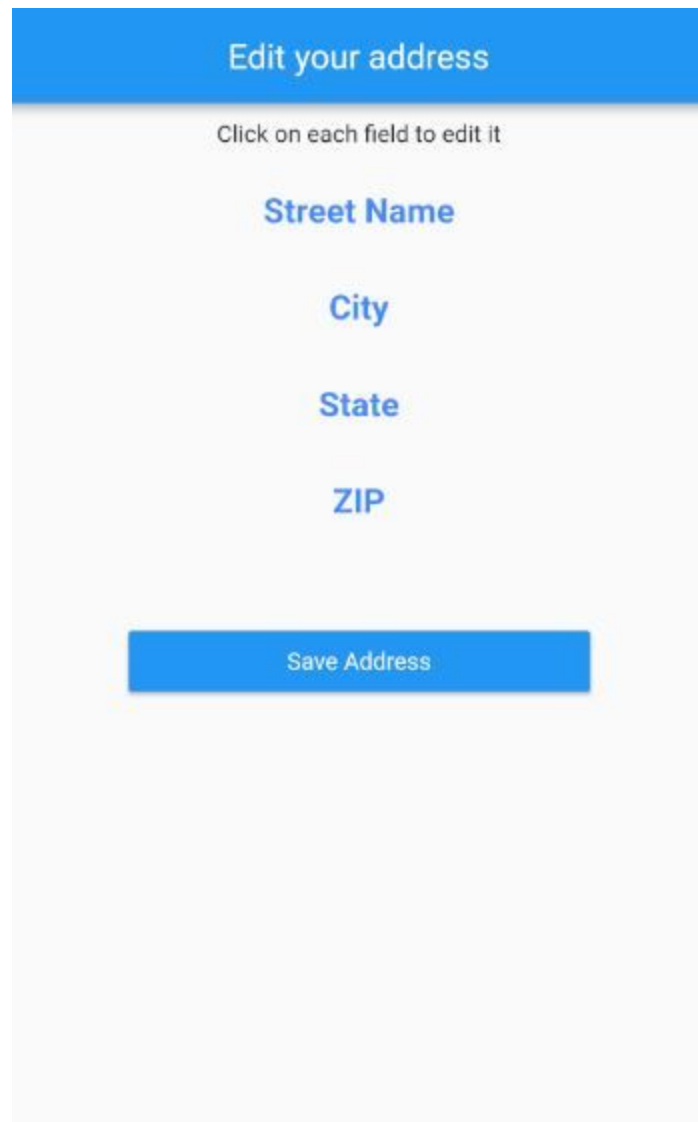
Click the “Start” button to begin using Ryde

Once you click on the “Start” button, you should see the sign in screen. This screen uses Google OAuth to authenticate Rowan students and faculty. The screen looks like the following:



After clicking on the “Sign into Ryde with Google” button, you need to enter your Rowan email address in the sign in screen. Entering in your Rowan email address will take you to the Rowan CAS sign in page where you need to sign in with your Rowan credentials.

Once you are signed in, you will need to enter the address of your house. The following screen is where you enter your address:



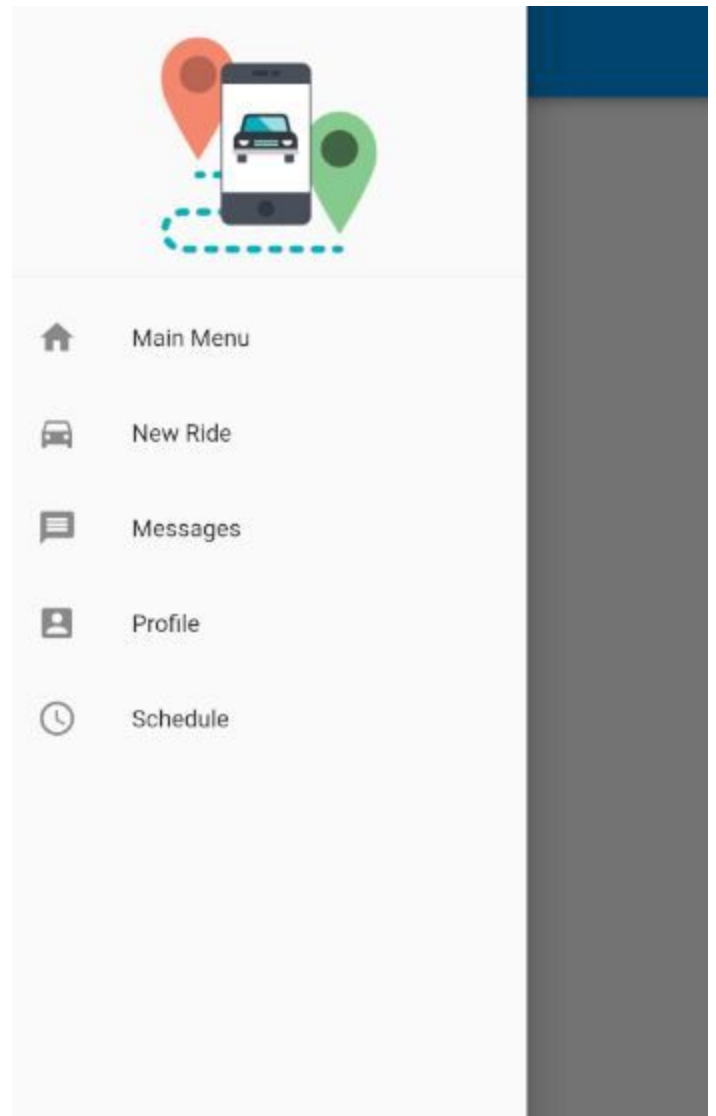
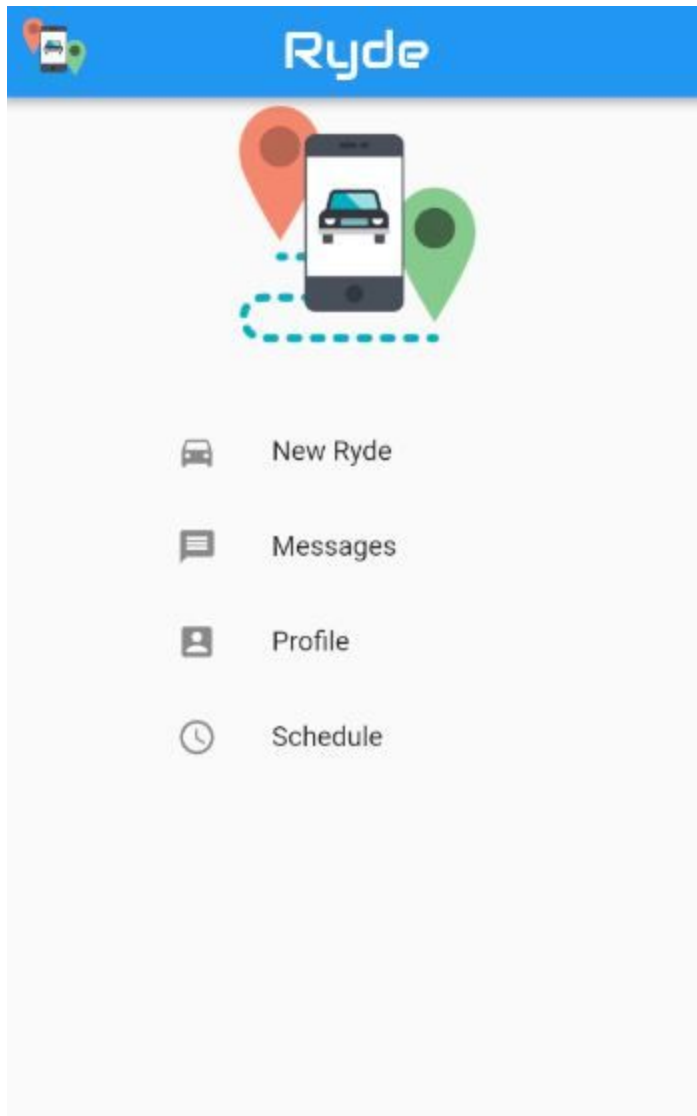
The screenshot shows a web form titled "Edit your address" in a blue header bar. Below the header, a light gray box contains the instruction "Click on each field to edit it". Inside this box are four blue text labels: "Street Name", "City", "State", and "ZIP", each representing a form field. Below the gray box is a blue button with the text "Save Address".

After you enter your address, you will need to enter your schedule. The schedule works by taking in ranges. There are two ranges for each day - The times you want to arrive between and the times you want to leave between. This way, if two users have the same range, they are matched together. The edit schedule screen looks like the screen on the left, the screen on the right is the list of times that are available:

The screenshot shows the 'Edit Schedule' screen with a blue header bar containing a back arrow and the title 'Edit Schedule'. Below the header, a green instruction text reads 'Click on the drop down menu to enter your schedule'. The main content area consists of five rows, one for each day of the week: Monday, Tuesday, Wednesday, Thursday, and Friday. Each row has a title for the day in a color-coded font (Monday: orange, Tuesday: pink, Wednesday: blue, Thursday: green, Friday: black). Below each day title, there are two labels: 'Arrive between' and 'Leave between'. Under each label is a white input field with a small downward-pointing triangle icon, indicating a dropdown menu. At the bottom of the screen, there is a blue button with the text 'Save Schedule'.

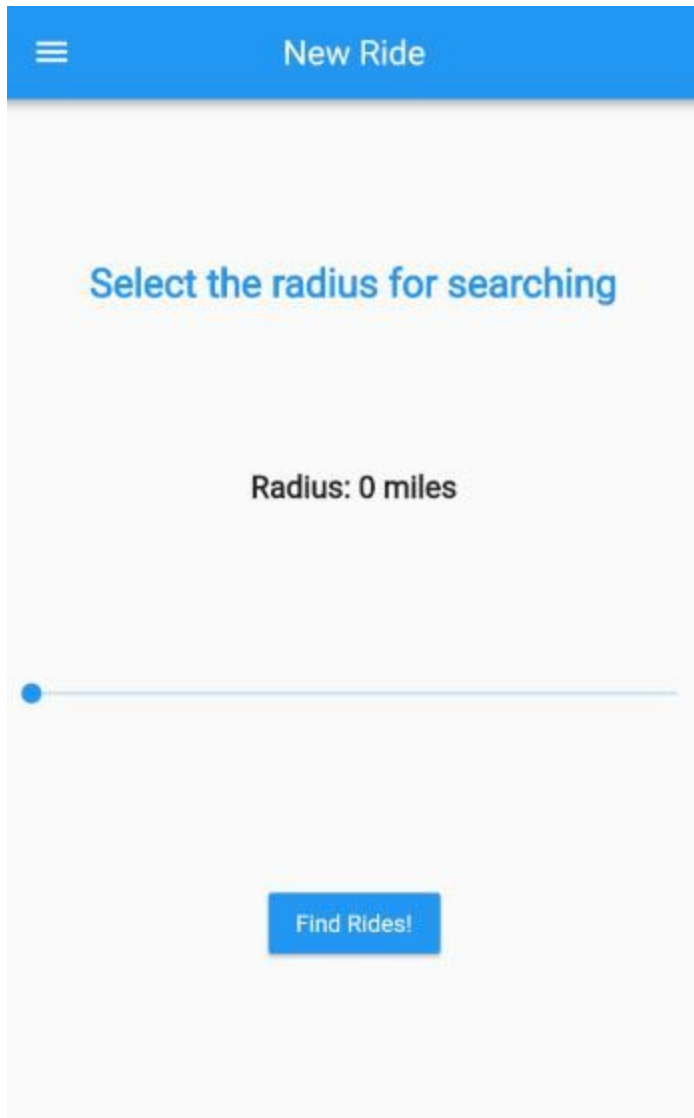
This screenshot shows the same 'Edit Schedule' screen as the previous one, but with a dropdown menu open. The dropdown menu is a white vertical list that appears over the form. It contains a list of times in 30-minute increments, starting from '7:00 AM' at the top and ending with '12:30 PM' at the bottom. The times listed are: 7:00 AM, 7:30 AM, 8:00 AM, 8:30 AM, 9:00 AM, 9:30 AM, 10:00 AM, 10:30 AM, 11:00 AM, 11:30 AM, 12:00 PM, and 12:30 PM. The background of the screen is slightly dimmed, showing the same form structure as the previous screenshot.

After saving the schedule, you are taken to the main screen of the application which has the following features: “New Ryde”, “Messages”, “Profile”, and “Schedule”. The screen on the left is the main screen and the image on the right is the app drawer shown when the user clicks on the Ryde icon on the top left of the main screen:

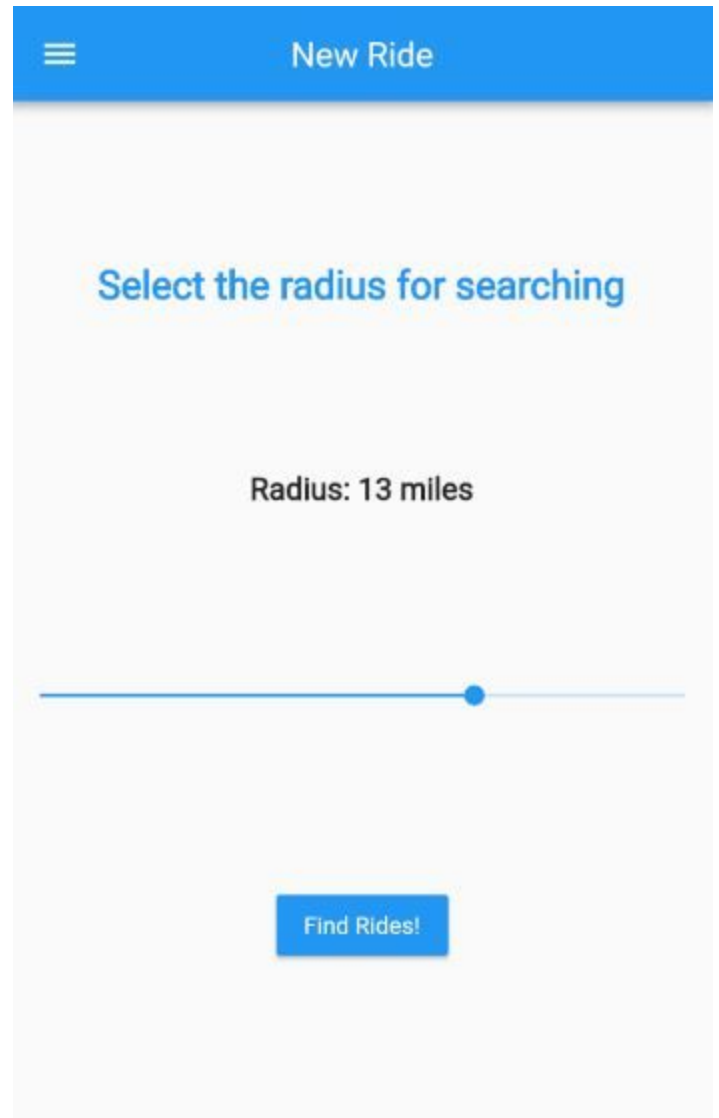


New Ryde

When you click on the “New Ryde” button in the main screen, you will come to the following screen. In this screen, you can enter the desired radius for the app to search in. The limit is 20 miles. Use the slider to set the radius and then hit the “Find Rides!” button:



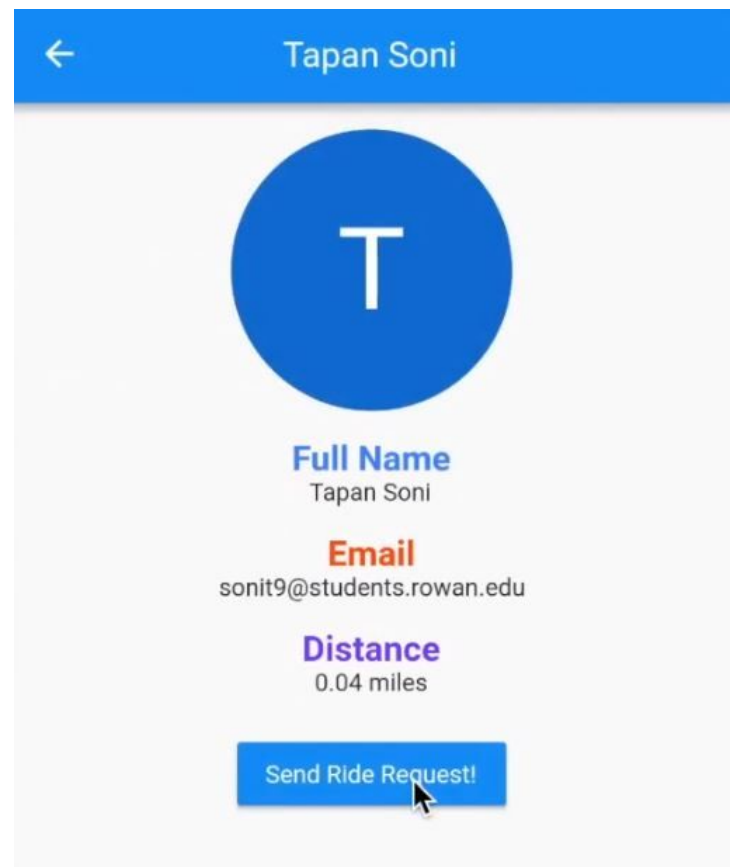
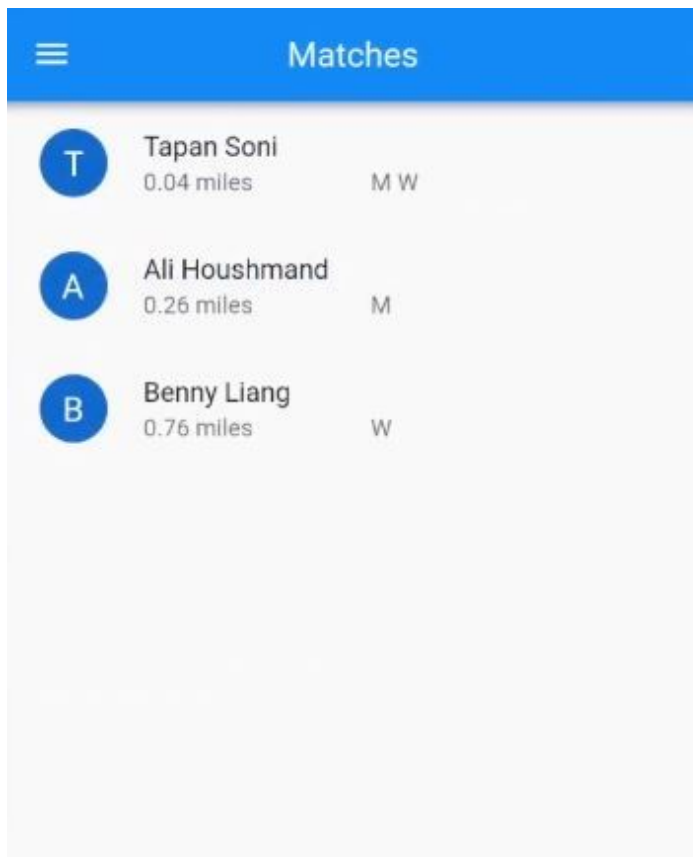
This screenshot shows the 'New Ride' screen with a blue header bar containing a menu icon and the text 'New Ride'. The main content area is light gray and features the text 'Select the radius for searching' in blue. Below this, it says 'Radius: 0 miles'. A horizontal slider is positioned at the far left end. At the bottom, there is a blue button labeled 'Find Rides!'.



This screenshot shows the 'New Ride' screen with a blue header bar containing a menu icon and the text 'New Ride'. The main content area is light gray and features the text 'Select the radius for searching' in blue. Below this, it says 'Radius: 13 miles'. A horizontal slider is positioned at approximately three-quarters of the way across. At the bottom, there is a blue button labeled 'Find Rides!'.

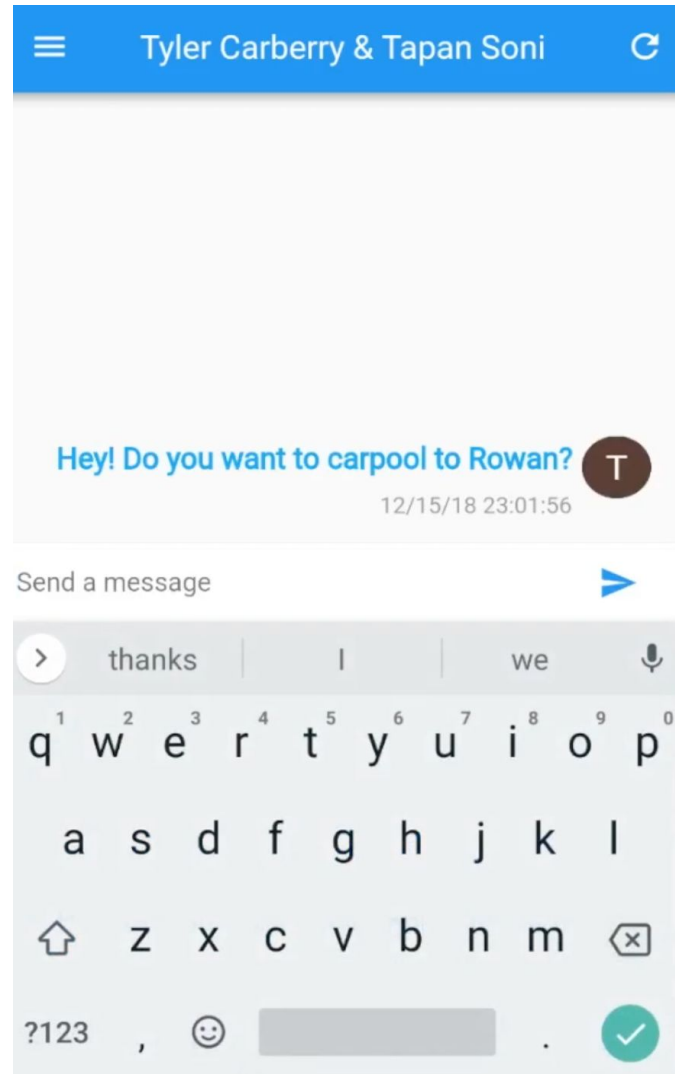
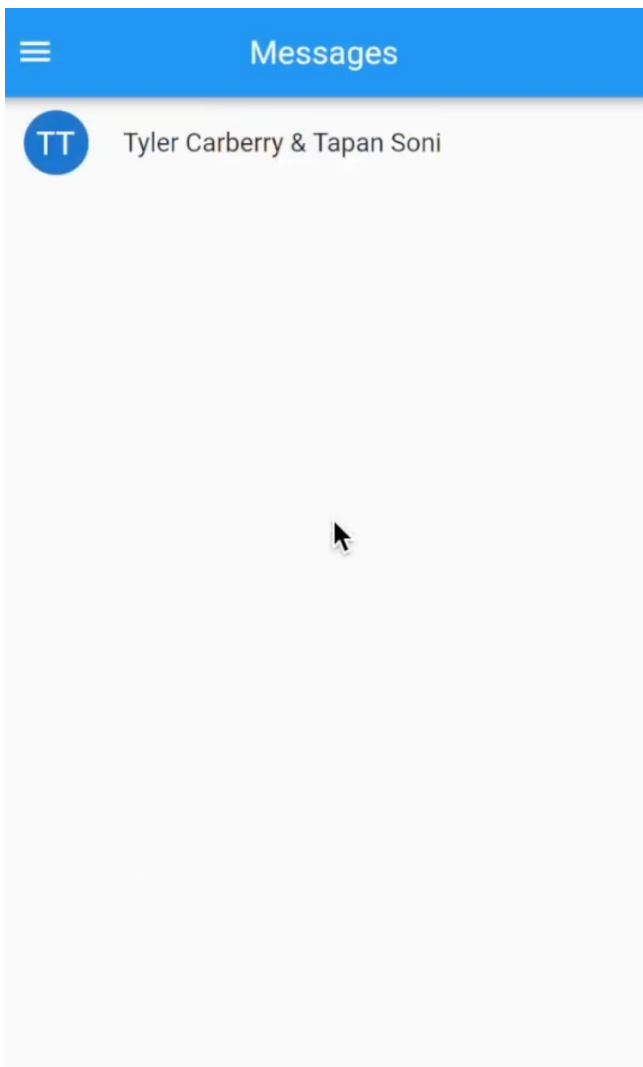
Matches Screen inside New Ryde

The screenshot on the left shows the potential matches in your radius matching a day(s) of your schedule indicated by the M, T, W, R, or F. The screenshot on the right shows the person selected to send a ride request to:



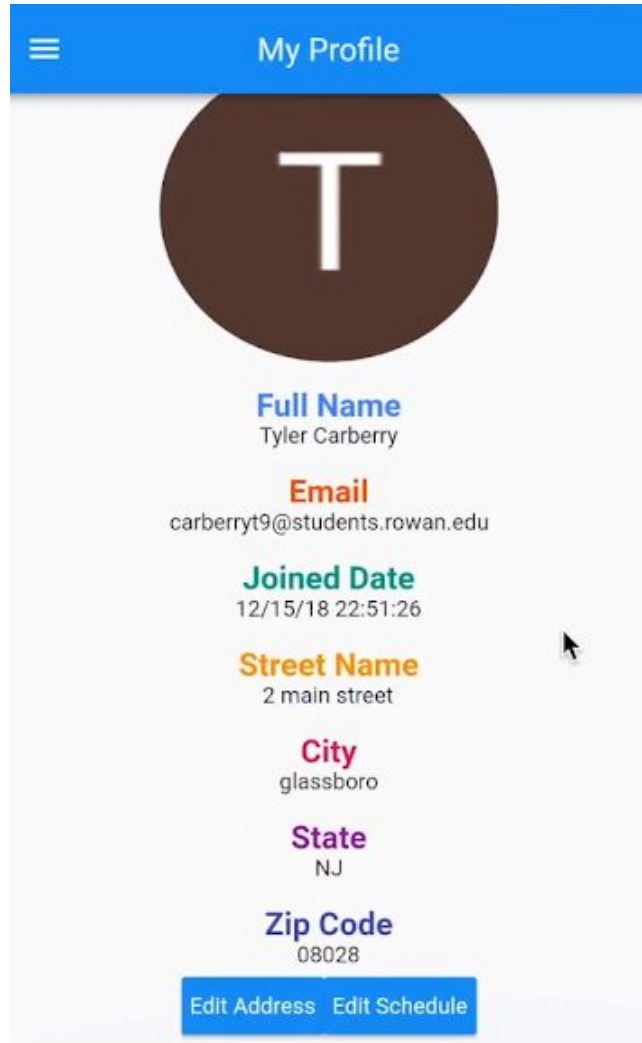
Messages

In the messages screen, the you can see each individual person that has sent you a ride request. It also displays the people who you have sent a ride request to. When you select an individual message thread, you send messages to the person who is in the same chat thread. The screenshot on the left shows the chat room screen and the screenshot on the right shows the screen where you can type your messages in:



Profile

Selecting the “Profile” option from the main menu takes you to the profile screen. Here you can see your full name, email, the date you joined, your address, and it gives you options to edit your address and schedule at the bottom of the screen.



Schedule

When you select the “Schedule” option from the main menu, it takes you to the schedule screen. From here, you can edit your schedule select new times . Click the “Submit” button to save it for the next time you request a ride. The following is the schedule screen:

The screenshot shows a mobile application interface for editing a schedule. At the top is a blue header bar with a hamburger menu icon on the left and the text "Edit Schedule" in the center. Below the header is a light gray instruction box that says "Click on the drop down menu to enter your schedule" in green text. The main content area consists of five horizontal sections, one for each day of the week from Monday to Friday. Each section has a day name at the top (Monday in orange, Tuesday in pink, Wednesday in blue, Thursday in green, and Friday in dark blue). Below the day name are two labels: "Arrive between" and "Leave between". Under each label are two dropdown menus, each with a downward-pointing arrow. At the bottom of the form is a blue rectangular button with the word "Submit" in white text.