

Use Case Name	1. Create New Account
Participating Actors	User
Goal	User creates a new profile
Trigger	User requests a New Account
Precondition	User is connected to the internet
Postcondition	A new profile is created
Basic Flow	<ol style="list-style-type: none"> 1. User selects New Account 2. System prompts user for a username, password, password confirmation, phone number, email, and car type (optional) 3. User enters username, password, password confirmation, phone number, email, and car type (optional) 4. User selects Create 5. System creates a profile
Exceptions	<ol style="list-style-type: none"> 3.1 Duplicate name <ol style="list-style-type: none"> 3.1.1 System displays error message 3.1.2 User is prompted to enter a different username 3.2 Passwords don't match <ol style="list-style-type: none"> 3.2.1 System displays error message 3.2.2 User is prompted to re-enter their password 3.3 Missing input <ol style="list-style-type: none"> 3.3.1 System displays error message 3.3.2 User is prompted to provide the missing information
Qualities	-
Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Story US 03.01.01
Notes	-
Open Issues	

Use Case Name	2. Edit Account
Participating Actors	User
Goal	User changes their account information
Trigger	User requests to Edit Profile
Precondition	User is logged in
Postcondition	The user's account is modified
Basic Flow	<ol style="list-style-type: none"> 1. User selects Edit Profile 2. System prompts user for a username, password, password confirmation, phone number, email, and car type (optional) 3. User enters username, password, password confirmation, phone number, email, and car type (optional) 4. User selects Confirm 5. System updates the user's information
Exceptions	<ol style="list-style-type: none"> 3.1 Duplicate name <ol style="list-style-type: none"> 3.1.1 System displays error message 3.1.2 User is prompted to enter a different username 3.2 Passwords don't match <ol style="list-style-type: none"> 3.2.1 System displays error message 3.2.2 User is prompted to re-enter their password 3.3 Missing input <ol style="list-style-type: none"> 3.3.1 System displays error message 3.3.2 User is prompted to provide the missing information
Qualities	-
Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Story 03.02.01
Notes	-
Open Issues	-

Use Case Name	3. Drive
Participating Actors	User, Driver, Rider
Goal	Driver picks up a rider, drives them to a location, and receives payment
Trigger	User selects Use as Driver
Precondition	User is logged in
Postcondition	Rider pays driver System removes the rider's completed request
Basic Flow	<ol style="list-style-type: none"> 1. User selects Use as Driver 2. System makes the user a driver and displays the driver's list of currently accepted ride requests 3. Driver selects Search Requests 4. System prompts driver to enter keywords or select a geolocation 5. Driver enters keywords or a geolocation 6. System displays a list of ride requests matching the driver's search terms 7. Driver selects a request 8. System displays the request description, including its location and price 9. Driver accepts the request 10. System displays the newly accepted request in the driver's list of currently accepted requests 11. Driver waits for a rider to confirm their request 12. System notifies the driver that their request has been confirmed and starts the request by displaying map and rider information 13. Driver completes the request by picking up the rider and taking them to their destination 14. System prompts the driver to confirm that they have received payment 15. Driver confirms they have received payment
Exceptions	<ol style="list-style-type: none"> 5. Missing/invalid search input <ol style="list-style-type: none"> 5.1 System displays an error message 5.2 System prompts driver to enter new search terms/locations

	11. Rider declines driver's offer 11.1 System notifies the driver that their offer has been declined 11.2 System removes the request from the driver's list of accepted requests
Qualities	Must be able to queue up requests, confirmations, and keep displaying information when internet signal is lost.
Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Stories 02.01.01, 03.03.01, 04.01.01, 04.02.01, 05.01.01, 05.02.01, 05.03.01, 05.04.01, 08.01.01, 08.04.01, 10.02.01
Notes	-
Open Issues	-

Use Case Name	4. Ride
Participating Actors	User, Rider, Driver
Goal	Rider is picked up by the driver and brought to their desired destination
Trigger	User selects Use as Rider
Precondition	User is logged in
Postcondition	Rider pays driver System removes the rider's completed request
Basic Flow	<ol style="list-style-type: none"> 1. User selects Use as Rider 2. System makes the user a rider and displays the rider's list of open requests 3. Rider requests to Add Request 4. System prompts rider for start and end locations and a fare, and also suggests a fare 5. Rider enters start and end locations and a fare 6. System displays the rider's list of open requests, including the newly added request 7. Rider waits for a driver to accept the request 8. System notifies the rider the request has been accepted and

	waits for the rider to confirm the acceptance 9. Rider navigates to the request and confirms the acceptance 10. System starts the request by displaying map and driver information 11. Rider and driver complete the request when the driver picks up the rider and takes them to their destination 12. System prompts the rider to pay the driver 13. Rider confirms they have paid the driver
Exceptions	4. Missing/invalid input 4.1 System displays an error message 4.2 Rider is prompted to re-enter input 8. The driver who accepted the rider's request has been accepted by a different rider 8.1 System displays an error message notifying the rider that their request that was previously accepted has been made open again 8.2 System opens the rider's request for other drivers
Qualities	Must be able to queue up requests, confirmations, and keep displaying information when internet signal is lost.
Constraints	-
Includes	-
Extends	-
Related Artifacts	User stories: 01.01.01, 01.02.01, 01.03.01, 01.05.01, 01.06.01, 01.07.01, 01.08.01, 02.01.01, 03.03.01, 08.03.01, 10.01.01
Notes	-
Open Issues	-

Use Case Name	5. Cancel Ride
Participating Actors	Rider
Goal	Rider removes a request from their list of open requests
Trigger	Rider selects a request from their list of open requests
Precondition	Rider must be logged in Rider must have an open request
Postcondition	The request is removed from the list of open requests

Basic Flow	<ol style="list-style-type: none"> 1. Rider selects a request from their list of open requests 2. System presents the request's details, including its start and end locations and its fare 3. Rider requests to Delete the request 4. System removes the request from the list of open requests
Exceptions	-
Qualities	Must be able to be queued up while there is no internet
Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Story 01.04.01
Notes	-
Open Issues	-

Use Case Name	6. Login
Participating Actors	User
Goal	User logs in
Trigger	User requests to Login
Precondition	User has an account User is connected to the internet
Postcondition	User is logged in
Basic Flow	<ol style="list-style-type: none"> 1. System prompts user for a username and password 2. User enters their username and password 3. System logs the user in
Exceptions	<ol style="list-style-type: none"> 2.1 Username does not exist <ol style="list-style-type: none"> 2.2.1 System displays an error message 2.2.2 System suggests the user create a new account 2.2 Password doesn't match <ol style="list-style-type: none"> 2.2.1 System displays an error message 2.2.2 System prompts user to enter a different password

Qualities	-
Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Story 03.01.01
Notes	-
Open Issues	-

Use Case Name	7. Contact User
Participating Actors	User 1, User 2
Goal	User phones or emails another user
Trigger	User selects a request item from any list
Precondition	User is logged in A request exists
Postcondition	User phones or emails another user
Basic Flow	<ol style="list-style-type: none"> 1. User selects a request item from a list of requests 2. System displays the request information, including the start and end locations, fare, the requesting rider's contact information, and the driver's contact information if a driver has made an offer 3. User selects the contact information 4. System displays the contact information 5. User selects either the phone number or the email address 6. System calls an appropriate activity to handle phoning or emailing the target number or address
Exceptions	6.1 Invalid phone number 6.1.1 Handled by an external phone application 6.2 Invalid email address 6.2.1 Handled by an external email application
Qualities	-

Constraints	-
Includes	-
Extends	-
Related Artifacts	See User Stories 02.01.01, 03.03.01, 01.05.01
Notes	-
Open Issues	-