
Use Cases

for

Cab booking system

Release 1.0

Version 1.0 approved

Prepared by Vijay Chowdary

Process Impact

September 27, 2021

Revision History

Name	Date	Reason For Changes	Version
Vijay Chowdary	27/9/2021	initial draft	1.0 draft 1

The various user classes identified the following use cases and primary actors for the Cab booking system:

Primary Actor	Use Cases
User	<ol style="list-style-type: none">1. Create profile2. Edit profile3. Delete profile4. Set pickup point and destination5. Can set the route they can travel6. Look out for rides7. Book a ride8. Change the ride9. Cancel the ride10. Making payment11. Giving review
Driver	<ol style="list-style-type: none">12. Create a profile13. Edit the profile14. Delete the profile15. Look out for passengers16. Accept the request for ride17. Can check the route and drive on it18. Decline the request for ride19. Get paid for that ride
Manager	<ol style="list-style-type: none">20. View user and driver profiles21. Verify user and driver profiles22. Delete/ suspend user and driver profiles23. Get the travel information of the users and drivers

Use Case ID:	1		
Use Case Name:	Create profile		
Created By:	Vijay Chowdary	Last Updated By:	Vijay Chowdary
Date Created:	September 27, 2021	Date Last Updated:	27-9-21
Actors:	User, drivers		
Description:	<p>A user accesses the cab booking system through the internet, selects the route to travel, looks out for a ride through which he can move from his present location or prescribed location to their destination.</p> <p>A driver who drives the cab is associated with the cab booking system where he will be taking up the request from passenger for ride.</p>		
Preconditions:	<ol style="list-style-type: none"> 1. User/driver has a device through which can access the system. 2. the system must be installed on the device. 		
Postconditions:	<ol style="list-style-type: none"> 1. user/driver will be able to create his/her profile. 2. user will be able to set pickup and destination for their ride. 3. Driver will be able to accept the request from the passengers. 		
Normal Flow:	<p>1.0 create user profile</p> <ol style="list-style-type: none"> 1. User/driver opens the system/application. 2. User/driver is prompted to select between user profile and driver profile. 3. User/driver selects the user profile. 4. The individual will be prompted to fill in the personal details, way to contact like email, personal contact number and many more. 5. After the process is completed, the user can edit the profile like add additional details and change some settings. 6. The user can anytime delete his/her profile. 		
Alternative Flows:	<p>1.1 driver user profile (from step 2)</p> <ol style="list-style-type: none"> 1. User who is driver will select the driver profile 2. Return to step 3. 		
Exceptions:	<p>1.0.E.1 system/application not working (at step 1)</p> <ol style="list-style-type: none"> 1. User gets informed that the system is not able to start the application or not able to work correctly 2a. user closes the application 2b. user uninstalls and reinstalls the application. 2c. user restarts the application. <p>1.0.E.2 duplicate or identical profile already existing (at step 5)</p> <ol style="list-style-type: none"> 1. System informs User that the details which were entered are already existing as another profile for the system 2a. User should check details for once again and reenter. 2b. User should exit the process of creation and login through the existing account if he/she has any. 3. System requests to enter the details again and prompts to beginning or intermediate of step-4. <p>1.1.E.1 duplicate or identical profile already existing (at step 5)</p> <ol style="list-style-type: none"> 1. System informs User that the details which were entered are already existing as another profile for the system 2a. User should check details for once again and reenter. 2b. User should exit the process of creation and login through the existing account if he/she has any. 3. System requests to enter the details again and prompts to beginning or intermediate of step-4. 		

Includes:	None
Priority:	High
Frequency of Use:	TBD
Business Rules:	-
Special Requirements:	<ol style="list-style-type: none"> 1. User can check his/her profile for further changes. 2. User can delete his/her profile.
Assumptions:	<ol style="list-style-type: none"> 1. User has the minimum knowledge to operate the application/system as prompted.
Notes and Issues:	<ol style="list-style-type: none"> 1. The system may be slow on some devices due to the device hardware and network issues so it may take time to process the request of registration as user/driver.

Use Case ID:	4		
Use Case Name:	Set pickup point and destination		
Created By:	Vijay Chowdary	Last Updated By:	Vijay Chowdary
Date Created:	September 27, 2021	Date Last Updated:	27-9-21
Actors:	Uses, drivers		
Description:	Users will select their route, set the pick-up point and destination point and look up for rides and here drivers come in to the picture and accept those requests if they are nearby and willing to take up the ride.		
Preconditions:	User and driver are logged on the system with their profiles		
Postconditions:	User and driver ride together.		
Normal Flow:	4.0 set pickup point and destination <ol style="list-style-type: none"> 1. User now selects their pickup point and destination. 2. Then selects his/her desired route or by default it is selected. 3. Now user looks out for drivers who can take up his/her request. 4. Similarly, drivers will also search for the passengers who ever is requesting for the ride. 5. When the driver accepts the request then the notification is passed down to the user that the system has found the driver. 6. Then the user can also accept the driver and they can meet at the pickup point the user has defined. 7. Then the ride has been confirmed. 8. After the ride has been completed payment will be generated. 9. Payment will be paid by the passenger in terms of hard cash, online banking, UPI etc. 10. User will be prompted to give his feedback (review) to the ride as well as the driver and obtain any suggestion if any. 		
Alternative Flows:	4.1 user can cancel the request (at step 5, 6) <ol style="list-style-type: none"> 1. return to step 1. 4.2 driver can cancel the request (at step 5) <ol style="list-style-type: none"> 1. return to step 4. 		
Exceptions:	4.0.E.1 User fails to find any ride (at step 3) <ol style="list-style-type: none"> 1. User can find again as many times he wants until he is not satisfied with the ride, he/she got. 2a. If the user cancelled the request more than the limited times, then a cool down will be given to the particular profile. 4.0.E.2 Driver fails to find any ride (at step 4)		

	<ol style="list-style-type: none"> 1. Driver can find again as many times he wants until he is not satisfied with the ride, he/she got. 2a. If the driver cancelled the request more than the limited times, then a cool down will be given to the particular profile. <p>5.0.E.2 Payment process was not successful (at step 9)</p> <ol style="list-style-type: none"> 1. User should find an alternate means to fulfill the payment like credit card, UPI etc.
Includes:	Users, drivers
Priority:	High
Frequency of Use:	TBD
Business Rules:	-
Special Requirements:	-
Assumptions:	None
Notes and Issues:	-

Use Case ID:	20		
Use Case Name:	View user and driver profiles		
Created By:	Vijay Chowdary	Last Updated By:	Vijay Chowdary
Date Created:	September 27, 2021	Date Last Updated:	27-9-21
Actors:	Administration/ manager		
Description:	Administration/management can view, verify and delete the user and driver profiles. Can get the system usage information i.e., travel log of both users and drivers associated with the system		
Preconditions:	Menus already exist in the system.		
Postconditions:	Modified menu has been saved.		
Normal Flow:	<p>20.0 view user and driver profiles</p> <ol style="list-style-type: none"> 1. manager can request the system for user and driver profiles which are associated with the system. 2. System displays the profiles 3. Manager with the help of management and the entire team can do the verification if any suspicion if found. 4. If suspicion found true then manager can delete the profile. 		
Alternative Flows:	None		
Exceptions:	-		
Includes:	None		
Priority:	High		
Frequency of Use:	TBD		
Business Rules:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		