Team G

Use Case Descriptions

Deliverable 2

Template for use case descriptions :

| **Name/Title:** | Usually in the form of <action> + <object>, aim for 3-7 words |
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| **ID:** | A numeric identifier |
| **Description**: | This can be a 1-3 sentence summary of what happens in the use case, or the user story from which this use case starts/accomplishes. |
| **System Under Design:** | The system name |
| **Primary Actor**: | The primary actor the use case starts and ends with |
| **Participants**: | Other actors involved |
| **Goal**: | The business goal or value of the use case. 1-2 sentences |
| **Related Use Cases**: | Instance of: <Use case ID and short name>, <Use case ID and short name>, …  Included by: <Use case ID and short name>, <Use case ID and short name>, …  Inclusions:<Use case ID and short name>, <Use case ID and short name>, … Extensions: <Use case ID and short name>, <Use case ID and short name>, … |
| **Invariant**: | Relevant/related state the system needs to assume/must be met at all steps of the use case. |
| **Precondition**: | Relevant/related state or conditions that must be met before the Use Case is started |
| **Success Postcondition**: | Relevant/related state or conditions will result if the use case is completed successfully. Some Exceptions may result in the failure to meet the Success Postcondition. |

| **USER STEPS**:  1.  3.  5.  … | **SYSTEM RESPONSE**:  2.  4.  6.  … |
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Team member name: Kledis Zaimi (1)

| **Name:** | Leave feedback |
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| **ID:** | 10 |
| **Description**: | As a passenger, I want to be able to leave feedback about my driver at the end of my ride |
| **Related use cases:** | Extensions: Leave tip, 13 |
| **Success Postcondition**: | Passenger feedback can be viewed on the driver’s profile. |
| **Precondition** | Passenger has completed their ride |

| **ACTOR (RIDER) STEPS**:  1. The user clicks the button “Write Feedback”  3. User selects preferred rating for driver  5. User writes review in the text field  7. User clicks submit button | **SYSTEM (Bearpool) RESPONSE**:  0. After ride has ended, a “Ride Completed” window pops up  2. Smaller window with rating system from 1 to 5 and currently unmodifiable text field pops up  4.Text field becomes modifiable  6. Submit button becomes available |
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David Neufeld (1)

| **Name:** | Make Request |
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| **ID:** | 15 |
| **Description**: | As a passenger, I want to send ride requests to drivers with open seats |
| **Related use cases:** | None |
| **Success Postcondition**: | The Driver requested by the user receives a notification for a request. The user receives confirmation that a request has been sent. |
| **Precondition:** | The User has the page of an available driver selected |

| **USER STEPS**:  1. Select a driver from a list of available (suitable) drivers  3. User clicks send carpool request option.  5. | **SYSTEM RESPONSE**:  2. System presents a summary of the selected driver.  4.System sends a carpool request and the driver receives a notification. The System presents confirmation that a request was sent to the user |
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David Neufeld (2)

| **Name:** | Check previous rides |
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| **ID:** | 20 |
| **Description**: | The system shall provide users with a list of previous carpool request and provide information about |
| **Related use cases:** | None |
| **Success Postcondition**: | The User is presented with a list of rides that has been arranged, with relevant information. |
| **Precondition:** | The user is on the homepage. |

| **USER STEPS**:  1. User selects ride log option.  3. | **SYSTEM RESPONSE**:  2. System presents a list of items, each a summary of past rides, Including time, ride type (to or from campus), and contact information of carpool partner (Name and phone number). |
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Team member name: Kledis Zaimi (2)

| **Name:** | Leave tip |
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| **ID:** | 13 |
| **Description**: | The system shall allow users to send a tip to their driver via PayPal. |
| **Related use cases:** | Extension of: Leave feedback, 10 |
| **Success Postcondition**: | Driver gets notified that a rider left a certain amount as a tip. |
| **Precondition** | The user must have completed a ride with the designated driver before being able to leave a tip |

| **ACTOR (RIDER) STEPS**:  1. The user clicks the button “Write Feedback”  3. User selects preferred rating for driver  5. User writes review in the text field  7. User clicks submit button  9. The user clicks chooses between the present options: “None”, “5$”, “10$”, “15$”  11. User fills out credentials and clicks “Submit” | **SYSTEM (Bearpool) RESPONSE**:  0. After ride has ended, a “Ride Completed” window pops up  2. Smaller window with rating system from 1 to 5 and currently unmodifiable text field pops up  4.Text field becomes modifiable  6. Submit button becomes available  8. “Select tip amount” window pops up  10. Smaller window with PayPal logo and text fields for credentials pops up |
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Team member name: Knox Brown (1)

| **Name:** | Offer Ride |
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| **ID:** | 2 |
| **Description**: | As a student with a car, I want to create a carpooling schedule with my available days and times for commuting to campus |
| **Success Postcondition**: | * The ride offering is posted and made visible to potential passengers * The driver’s availability is updated in the system |
| Precondition | The user must be a registered student with a valid driver's license and a car to be able to offer a ride |

| **ACTOR (RIDER) STEPS**:  1. The user selects “Offer Ride”  3. The user provides the information and confirms the details  5. The user is sent back to the home page | **SYSTEM (Bearpool) RESPONSE**:  2. The application prompts the user to input details about the ride, including where they are leaving from, where they are going, date, time  4. The application notifies the user that the ride posting has been completed  6. The ride becomes visible to passengers searching for rides |
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Team member name: Knox Brown (2)

| **Name:** | Send message |
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| **ID:** | 4 |
| **Description**: | Users can send messages to other users through the application for communication regarding the ride or any related issues |
| **Related use cases:** | Extended by: Make request, 7 |
| **Success Postcondition**: | The message is successfully sent and received, enabling effective communication between the users |
| **Precondition** | Both users must be registered and logged in to the application and must have an active ride reservation or ride history with each other |

| **ACTOR (RIDER) STEPS**:  1. The user navigates to the messaging section  3. The user enters the recipient’s username and writes their message  5. The user reviews and sends the message | **SYSTEM (Bearpool) RESPONSE**:  2. The messaging interface opens for the user to compose a new message  4. The message content is displayed in the message field  6. The system confirms the successful delivery of the message and updates the message status |
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Team member name: Quinn Knowles (1)

| **Name:** | Register account |
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| **ID:** | 1 |
| **Description**: | As a student, I want to Register for the carpooling app using my email address so I can connect with other students |
| **Pre-condition** | None |
| **Success Postcondition**: | * A user profile has been created * The user has been signed into their newly created profile |
| **Precondition** | The user must have access to a valid and active email address to register for an account |

| **ACTOR (USER) STEPS**:  1. The user opens the application  3. The user selects Register and puts in their email and password  5. The user is sent to the home page logged into their new account | **SYSTEM (Bearpool) RESPONSE**:  2. The application prompts the user to log in or Register  4. The verifies the given email does not already have a profile associated with it, and then creates a new profile and confirms the log-in to this new profile. |
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Team member name: Quinn Knowles (2)

| **Name:** | Log in |
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| **ID:** | 21 |
| **Description**: | As a user, I would like to be able to sign into my account with my email and password so that I can access my personal profile. |
| **Related use cases:** | Extensions: Change profile information, 18 |
| **Pre-condition** | User has an account |
| **Success Postcondition**: | * The user has been signed into the app * The user has access to their personal profile |
| **Precondition** | The user must have previously registered for an account and provided accurate and valid information during the registration process in order to log in successfully |

| **ACTOR (USER) STEPS**:  1. The user opens the application  3. The user selects log in and provides the email and password associated with their account  5. The user is logged into their profile and is sent to the home page | **SYSTEM (Bearpool) RESPONSE**:  2. The application prompts the user to log in or sign-up  4. The application passes the provided information to the system which verifies the given email and password combination against its database of users |
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Team member name: Quinn Knowles (3)

| **Name:** | Change profile information |
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| **ID:** | 18 |
| **Description**: | As a driver, I want to set preferences for who I am willing to drive (gender / smoking preferences etc…) |
| **Related use cases:** | Extension of: Log in, 21 |
| **Pre-condition** | User is signed into their profile on their homepage |
| **Success Postcondition**: | * The user has edited their rideshare preferences * The user’s edits are reflected on their profile |
| **Precondition** | The user must have successfully logged into their account and accessed their profile page in order to set their preferences |

| **ACTOR (USER) STEPS**:  1. The user opens the application  3. The user selects log in and provides the email and password associated with their account  5. The user is logged into their profile  7. The user selects the edit profile button  9. The user clicks on the radial dials that match their preferences for ride share partners and selects Save once they are satisfied | **SYSTEM (Bearpool) RESPONSE**:  2. The application prompts the user to log in or sign-up  4. The application passes the provided information to the system which verifies the given email and password combination against its database of users  6. The application provides a preview of the user’s own profile  8. The application enters an editing mode prompting the user to enter text and select radial dials  10.The application receives the new information and edits the user’s profile according to the given selections, making them visible to the user in the updated profile page |
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Team member name: Abhilash Durgam (1)

| **Name/Title:** | Share Driver Phone Number |
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| **ID:** | 19 |
| **Description**: | A driver chooses to share their phone number with specific students they carpool with. The system facilitates this exchange to enhance communication between the driver and students.. |
| **Success Postcondition**: | Chosen students receive a notification and can view the driver's phone number in the system. Driver and students can communicate directly using the shared phone number. |
| **Precondition** | The driver must have an active carpool listing or have accepted ride requests from students in order to share their phone number |

| **USER STEPS**:  1. Driver logs into the Carpool Matcher System.  3. Driver navigates to the "My Carpools" section.  5. Driver selects an active carpool listing or views accepted requests.  7. Driver clicks the "Share Phone Number" option.  9. Driver selects specific students to share the phone number with and confirms. | **SYSTEM RESPONSE**:  2.System displays the driver's active carpool listings and accepted requests.  4. System presents details of the selected carpool listing or request.  6. System prompts the driver to select students and confirm sharing.  8. System sends a notification to the chosen students, granting them access to view the driver's phone number. |
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Team member name: Abhilash Durgam (2)

| **Name/Title:** | Accept Request |
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| **ID:** | 7 |
| **Description**: | A driver receives ride requests from potential passengers who match their schedule. The system allows the driver to view these requests and accept them, subsequently updating the available seats and notifying the requesting passenger. |
| **Related use cases:** | Extends: <Cancel request, 17>, <Send message, 18>  Includes: <Confirm request, 16> |
| **Success Postcondition**: | The ride request is accepted and recorded in the system. The number of available seats for the driver's carpool listing is updated. The passenger receives a notification that their request has been accepted. |
| **Precondition** | The driver must have an active carpool listing available for passengers to send requests to |

| **USER STEPS**:  1. Driver logs into the Carpool Matcher System.  3. Driver navigates to the "Ride Requests" section.  5. Driver selects a specific ride request to view details.  7. Driver clicks the "Accept" button for the chosen request. | **SYSTEM RESPONSE**:  2. System authenticates the driver and presents the main dashboard.  4. System displays a list of ride requests matched to the driver's schedule, with details like passenger name, preferred pickup point, and schedule.  6. System provides a detailed view of the selected ride request, including any notes or messages from the requesting passenger, with the option to accept the request.  8. System processes the acceptance, updates the available seats count, and sends a notification to the requesting passenger about the ride request's acceptance. |
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