**Use Cases and Sequence Diagrams**

**Group 1**

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**User Registration**

|  |  |
| --- | --- |
| **Name** | Account Signup |
| **Id** | UR\_0101 |
| **Description** | Users are able to sign up for the service and use the services provided by drivesafe such as using the driving game simulator and looking at the results/progress from it. |
| **Actors** | Potential customers |
| **Frequency of Use** | Once |
| **Triggers** | Users who are interested in using Drivesafe Services |
| **Preconditions** | N/A |
| **Postconditions** | Storing information in the database |
| **Main Course** | 1. When signing up the user has required fields that prohibits the person to not proceed until completed. (Date of birth, First name, Last name, email) 2. During registration. If the system recognizes that the user is a minor it should prompt the user for a guardian account. 3. After clicking the submit button the website now should recognize the information that was sent (username/email as well as the user’s password |
| **Alternate Course** | The website being used by a guest user instead of a verified/existing user |
| **Exception** | Developers testing the website |

**Game Progress Report**

|  |  |
| --- | --- |
| **Name** | Progress Report |
| **Id** | PR\_1100 |
| **Description** | Users are able to see they’re progress on the game whether they are getting better, stagnant, or worse. |
| **Actors** | Users who bought a subscription to Drivesafe |
| **Frequency of Use** | As much as they want |
| **Triggers** | Users select on the Progression button to view their report |
| **Preconditions** | User has to be a paying member as well as have had activities on the game |
| **Postconditions** | Users will always have access to their progress report |
| **Main Course** | 1. User signs into their account 2. The user clicks and selects on the report button under the account page 3. The website will present the user with trends, as well as their previous scores |
| **Alternate Course** | N/A |
| **Exception** | Developers testing the website |

**Donations**

|  |  |
| --- | --- |
| **Name** | Donations |
| **Id** | D\_0606 |
| **Description** | Users who want to support the developers and wants the production to continue will donate. |
| **Actors** | Users who bought a subscription to Drivesafe |
| **Frequency of Use** | As much as they want |
| **Triggers** | Users select on the donations button to view their report |
| **Preconditions** | N/A |
| **Postconditions** | Donation goes to the development team |
| **Main Course** | 1. User signs into their account 2. The user clicks and selects on the donation button under the account page 3. A paypal prompt should pop up 4. It will ask for the required information (username & password, credit card information) 5. User will receive a confirmation message |
| **Alternate Course** | N/A |
| **Exception** | Payment is declined |

**Social Media Aspect**

|  |  |
| --- | --- |
| **Name** | Social Media Aspect |
| **Id** | SMA\_9283 |
| **Description** | Users who want to share either the website or their game progression on DriveSafe |
| **Actors** | Users who bought a subscription to Drivesafe |
| **Frequency of Use** | As much as they want |
| **Triggers** | If they want to either share their achievement or the website |
| **Preconditions** | Having a social media account that DriveSafe supports |
| **Postconditions** | Social Media shows the link of the website |
| **Main Course** | 1. The user selects on the social media buttons that they desire to use to show the website 2. The social media website will prompt the user to log in 3. The user can now either post any pictures, screenshot, or just comment about the website |
| **Alternate Course** | N/A |
| **Exception** | User does not have a social media account. |

**User Roles**

1. Admin/Developer Account: They have access to all the data and everything else in the game for handling as well as testing to make sure the website is running properly
2. Guest Users: They are able to view a limited amount of the website just to get them hooked on being a subscribed member
3. Minor Accounts: These users are users who are under 18 and must be liked to a guardian/parent account. They have access to the game as well as their own reports as well
4. Parent Accounts: They will be linked to the minor accounts. They have access to the reports and records

**User Registration**

**A close up of a map

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**GAME REPORT**

**A close up of a map

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**DONATIONS**

**A screenshot of a social media post

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**SOCIAL MEDIA ASPECT**

**A screenshot of a social media post

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