**LAB 3**

**OOSE**

**Submitted To:** Sir Mukhtiar Zamin

**Submitted By:** Shiza Kabir

(SP20-BSE-081)

Rameen Naeem

(SP20-BSE-057)

Date: 10-10-21

**Use Case Diagram:**

**Fully dressed Use case of Register Yourself**

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| **Use case:** | Register Yourself |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must have Installed the app. |
| **Success Guarantee:** | User is registered in the system. |
| **Special Requirements:** | Verification of the number. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user opens the application: | The system asks the user to register himself in the system by entering his/her phone number. |
| The user enters his/her number: | The system sends an OTP on the user’s phone number for verification. |
| The user enters the OTP code for verification. | The systems registers the user. |
| **Alternative Flow:**  If user enters incorrect OTP an error will be generated by the system. The system will ask the user to check and enter the code again. | |

**Fully dressed Use case of Enable Tracking**

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| **Use case:** | Enable Tracking |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must be registered in the app. |
| **Success Guarantee:** | User can send emergency message with location URL. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The registered user opens the application: | The system asks the user to enable the location. |
| The user enables the location: | The system will track the user’s location. |
| **Alternative Flow:**  If user do not allows the app to access his/her location, the app would not go further. | |

**Fully dressed Use case of Invoke Emergency**

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| **Use case:** | Invoke Emergency |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | 1. User must be registered in the system. 2. User must have enabled the location. 3. User must have added at least 2 contacts in the system. |
| **Success Guarantee:** | Emergency message sent successfully. |
| **Special Requirements:** | Location must be enabled. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user press the emergency button: | The system will send an emergency message to the contacts added by the user with location URL. |
| **Alternative Flow:**  If location is not enabled the user won’t be able to press the emergency button. System will ask the user to enable the location first to send an emergency message. | |

**Fully dressed Use case of Read Instructions**

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| **Use case:** | Read Instructions |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must be registered in the app. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user clicks on the read instructions button: | The system will display the page with instructions written on it. |
| The user clicks on exit button: | The system will take the user to the main menu. |
| **Alternative Flow:**  None. | |

**Fully dressed Use case of Add Contact**

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| **Use case:** | Add Contact |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must be registered the app. |
| **Success Guarantee:** | User can send emergency message to the added contacts. |
| **Special Requirements:** | User must save the contacts after adding them. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user clicks on add contact button: | The system asks the user to add contact details. |
| The user enters contact details and press save button: | The system saves the added contacts. |
| **Alternative Flow:**  If user do not saves the contacts, all the details user entered will discarded. | |

**Fully dressed Use case of View Contacts List**

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| **Use case:** | View Contacts List: |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must be registered in the app. |
| **Success Guarantee:** | None |
| **Special Requirements:** | Verification of the number. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user clicks on view contacts list: | The system will display the contacts list with the delete option. |
| The user deletes any number: | The system will delete the contact from the users contact list. |
| **Alternative Flow:**  None | |

**Fully dressed Use case of Change Number**

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| **Use case:** | Change Number |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must be registered in the app. |
| **Success Guarantee:** | Will be registered with the new number. |
| **Special Requirements:** | Verification of new number. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user clicks on the change number : | The system will take the user to registration page for new registration. |
| The user enters the new number : | The system sends an OTP on the user’s new number for verification. |
| The user enters the OTP code for verification of new number. | The systems registers the user with his/her new number. |
| **Alternative Flow:**  If user enters incorrect OTP an error will be generated by the system. The system will ask the user to check and enter the code again. | |

**Fully dressed Use case of Give Feedback**

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| --- | --- |
| **Use case:** | Give Feedback |
| **Primary Actor:** | User |
| **Scope:** | Personal Safety App |
| **Level :** | User-goal |
| **Stakeholders:** | User: user wants a fast and secure system which can help him in the case of any emergency. |
| **Preconditions:** | User must have Installed the app. |
| **Post Condition:** | None. |
| **Main Success Scenario:** | |
| **Actor Action:** | **System Response:** |
| The user clicks on feedback button: | The system will ask the user to write the remarks for the app. |
| The user gives feedback: |  |
| The user submits the feedback: | The system saves the user feedback. |
| **Alternative Flow:**  None | |

**Brief Level Use Cases:**

**Register Yourself:**

This use case starts after installing the application, as a user installing it for the first time so he/she is not registered in the system. The System prompts the user for a number and verification for registration. The user enters his/her phone number and an OTP code sent to the user through system. The system validates the entered phone number and OTP code, making sure that the entered number is a valid number in the System. The user is registered in and returned to the home page as a registered User. The use case ends.

**Enable Tracking:**

This use case starts whenever user opens the app. This use case asks user to enable his/her location from the phone so when the user sends the emergency message to anyone they can also have his/her location URL by which they can track the user easily. The use case ends.

**Invoke Emergency:**

This use case begins when user is already registered in the system and has enabled his/her tracking. Whenever the user is in an emergency he/she simply opens the app, this use case appears as an emergency button. The user just has to click on the button and an emergency message with the location URL of user will be sent to the contacts saved by the user. The use case ends.

**Read Instructions:**

This use case starts when user goes in the menu section in the app where user finds different options. If user wants to know about the app, working of app etc. he will simply open the instructions where the user finds different key points explaining the use of app. The use case ends.

**Add Contact:**

This use case starts when user press the add contacts button from the menu to add contacts in the app for help in an emergency situation. The user will simply click on the add contact button and will enter the number and the name of the person and save it in the system whom user want to send emergency in case of any emergency situation. The use case ends.

**View Contact List:**

This use case starts when the user wants to see the contacts he/she has added and saved in the system for any emergency situation. In this use case user can view the contact list and can delete any contact if the user wants to. The use case ends.

**Change Number:**

This use case starts when the user wants to change his registered number in the system. User will simply goes to the menu section there he will find an option of changing the number, by clicking on the button the system will take the user to the registration page for the registration of his/her new number in the system. The use case ends.

**Give Feedback:**

This use case starts when the user wants to give any kind of feedback about the app. User will simply goes to the menu section there he will find an option of give feedback by clicking there system will take user to the blank page where user can write suggestions and remarks about the app. The use case ends.