

Custos Use Cases

Use Cases:

- A user should be able to create an event
 - Personal Event
 - Safety Event
- A user should be able to manage an existing event
- A user should be able to view all events
- A user should be able to see a map view of their next event
- A user should be able to generate a report
- A user should be able to manage contact list
- A user should be able to add caution zones on their map
- A user should be able to receive notifications
- A user should be able to add emergency contacts
- A user should be able to change settings
- A user should be able to set their home location
- A user should be able to set safety pin
- A user should be able to alert when they're in danger and need assistance

Use Case Descriptions:

Create Event (Personal)

Basic Course:

On the Nav Bar screen, the User clicks the Event button. The system checks the User session to make sure the User is logged in and has access to the Internet. Then the system opens up the Event page. The User clicks the "+" button on the top right. Then the system opens a create personal event form. Then the user will fill out the following details regarding their event (Address, Date, Time, Description, Name, Recurrence, Invite Contacts). The User clicks on the Submit button. Then the system ensures that the event created is not at the same time or overlapping another event, and ensures User did not miss any necessary information. System displays confirmation pages and then User confirms the event. System adds events to all events.

ALTERNATE COURSES:

User not logged in: The application invokes the User to login in.

User creates event on already allocated time slot: The application will not allow the user to create an Event unless the User deletes the current event or changes Time slot.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User didn't fill out form: System rejects event

Create Event (Safety)

Basic Course:

On the Nav Bar screen, the User clicks the Event button. The system checks the User session to make sure the User is logged in and has access to the Internet. Then the system opens up the Event page. The User clicks the “+” button on the top right. Then the system opens a create safety event form. Then the user will fill out the following details regarding their event (Address, Date, Time, Description, Name, Recurrence, Emergency Contact). The User clicks on the Submit button. Then the system ensures that the event created is not at the same time or overlapping another event, and ensures User did not miss any necessary information. System displays confirmation pages and then User confirms the event. System adds events to all events.

ALTERNATE COURSES:

User not logged in: The application invokes the User to login in.

User creates event on already allocated time slot: The application WILL NOT allow User to create an event unless the User deletes the current Event or changes Time slot.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User didn't fill out form: System rejects event

Manage Event

Basic Course:

On the Nav Bar screen the User clicks the Event button. Then the User selects an event to Manage. Then the User will be able to edit the following details regarding their event (Address, Date, Time, Description, Name, Recurrence).

ALTERNATE COURSES:

User not logged in: The application will invoked the User to login in.

User changes time to a filled allocated time slot: The application will shake screen indicating that there is an Event that is currently taking up the time slot.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

View Event

Basic Course:

On the Nav Bar screen the user will click the Event button. On the form User will be able to View all Events.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User has no events: The User can't Manage Events if there are no Events.

View Next Event

Basic Course:

On the Map screen the User will be able to View the next Event and the directions to the Destination.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

Single or no events: The user can't View the next Event if there are no Events or if there is only one Event.

Generate Report

Basic Course:

On the Nav Bar screen the user will click the Report button, opening a form. On the form User will fill out the information regarding what Report they want to generate. Then they will be able to view the generated Report.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User hasn't used the event a lot: The User has not spend an adequate time using the application to create a Report.

Manage Contact List

Basic Course:

On the Nav Bar screen the User will click the Contact button. On the form User will be able to View Contacts or add Contacts. The User can click on the “Add Contact” to invite other Users to be added as a Contact. The User can also click on View Contact to View all the Contacts they have added. They can also View additional information about their Contacts.

ALTERNATE COURSES:

User not logged in: The application will invoked the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

Add same user: The application will notify the User that they already have this person in their Contact List.

Add invalid user: The application will notify the User that this User doesn't exist.

Caution Zone

Basic Course:

On the map user will be able to click on the Caution button. The application will have a form that has three colors which will be based on the severity of the Caution. Yellow being minimal Caution, orange being semi-dangerous, and red being the most dangerous. Within this form the User will allow to give the Name of this zone and a brief Description on what why this Caution Zone exist. Caution zones will be automatically generated based on the Crime Rates within this map region. Other Users will notify if they are inside in a Caution Zone and will be advised to tread with Caution.

ALTERNATE COURSES:

User not logged in: The application will invoked the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User didn't fill out form: The User did not complete the form.

Receive Notifications

Basic Course:

On the Nav bar User will click Notifications and can view their Notifications. Depending on the Notification the User may be able to interact with it (e.g. getting an Invite to an Event). The user will also be able to delete notifications.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

Set Emergency Contacts

Basic Course:

On setup the User will be prompted to set their Emergency Contacts. The user may also Manage their home location in the Settings.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User has wrong information: User will have to validate their emergency contact.

Change Settings

Basic Course:

The User taps on the settings. User will be able to adjust multiple features on the application. User can adjust their settings that can enable or disable features within this application.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

Set Home Location

Basic Course:

On setup the User will be prompted to set their home location. The User may also Manage their home Location in the Settings.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

Safety Pins

Basic Course:

On setup the User will be prompted to set a Safety pin. The User may also Manage their Safety pin in the Settings. Safety pin is a feature that will ask another User if they are okay. The User who receives this will have a pin to type in to make sure they are not in a dangerous situation.

ALTERNATE COURSES:

User not logged in: The application will invoke the User to login in.

User is offline: The User cannot use this application while being in either airplane mode or the User does not have any internet connection.

User has no contact list: User will only be able to use this feature if they have at least one or more Contacts.