**CSE213+L CRA Report Template**

| Simulating the Operations of RAB Mobile Court | | |
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| **ID: 2220151** | **Name: Anika Islam** | **User1: District Officer** |
| **User2: Lawyer** |
| **ID: 2030664** | **Name: Khandkaer Umme Salma** | **User3: Magistrate** |
| **User4: RAB Officer** |
| **ID: 2221977** | **Name: Sadman Sakib** | **User5: Office Clerk** |
| **User6: Defendant** |
| **ID: 2221558** | **Name: Md Ariful Islam Limon** | **User7: Operations Administrator** |
| **User8: Undercover Investigator** |

## Possible Event Type(s):

* UIE – User input to trigger event
* UID – User input to be considered as data
* OP – Display content (output)
* PC – Prerequisite check
* VL – Validation check
* VR – Verification check
* DP – Fetching data from file system and process it to get some calculated outcome (data processing)

# Workflows for Common Processes

| Process-1: Logging In | | | | | |
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|  | **Goal:** To successfully login and land on User specific dashboards | | | | **Event Type** |
| **Workflow:** | event-1 | Display the homepage(OpeningPage) to show **User ID, Password, Forgot Password, Login and Sign Up** options. | | | OP |
|  | event-2 | Input User ID (6 digit) and Password (3 digit). | | | UID, VL |
|  | event-3 | Click on the “**Login”** button to check for **Verify** if the User idand passwordmatches or not. If it matches scene changes to the User's dashboard scene. If it does not match, show an **“Incorrect ID or Password”** alert. | | | UIE,VR, DP, OP |
|  | event-4 | If clicked on “**Forgot password”** it redirects to a new scene to ask for User Name, ID, Phone Number, Verification Code. | | | UIE, OP |
|  | event-5 | Provide **User Name, Phone Number**  to get a prompt on the screen showing **generated verification code**, input the code in Verification code text field and click on next. If the code is wrong show “Incorrect Code” If right goes to **event-6.** | | | UID, UIE, OP, VR |
|  | event-6 | New page shows **New Password**, **Confirm password** text field. Take user input and click on **confirm.** If the password is 6 characters go to **event-1.** If not then show the “Password must be 6 characters' ' prompt. | | | OP, UID, UIE, VL |
|  | | | | | |

| Process-2: Signing In | | | | | |
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|  | Goal: Creates a new account for a User for first time accessing the system | | | | **Event Type** |
| **Workflow:** | event-1 | Display the homepage(OpeningPage) to show **name, password, forgot password, log in and new customer sign-Up** option | | | OP |
|  | event-2 | **Click** on sign up button | | | UIE |
|  | event-3 | **Display** The Singup scene with Username TextField, Password field, date of birth, designation and gender. | | | OP |
|  | event-4 | Input user name, date of birth, designation, gender and password | | | UID |
|  | event-**n** | **Click** on signup button, new **bin** file will create with user instance and **display** the OpeningPage | | | UIE, DP, OP |
|  | | | | | |

| Process-3: Signing Out | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | | | | **Event Type** |
| **Workflow:** | event-1 | In the User dashboard there is a button named “Log Out” when clicked will trigger a confirmation alert. | | | UIE |
|  | event-2 | If the User confirms to logout then the scene is redirected to the login scene. | | | OP |
|  | | | | | |

# Workflows for User Specific Goals

| **User-1: District Officer** | | | | | |
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| **User-1, Goal-1** | **Description of Goal-1: The District Officer can order the Operations Administrator to perform an urgent operation providing necessary information such as title, institution name, address, urgency reason, and date-time and save these in a file.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The user will now click on the **“Command Operations Administrator”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In the new scene the user will write the investigation institution name, location, urgency reason in a **TextField** and choose date-time from **Date Picker**. | | | UID |
|  | event-4 | Now the user will click the “**Load Information Details**” button to load the institution name, location, urgency reason, date-time of an investigation in a **TextArea**. | | | UIE,OP |
|  | event-5 | Then he/she will click the “**Save To File**” button to save the **TextArea** data in a file regarding all the details of the investigation. | | | UIE |
|  | event-6 | Clicking the “**Return Home**” button will redirect the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-2** | **Description of Goal-2: The District Officer can view the details of cases such as the institution name, date of the incident ,location of the incident, nature of the crime using table view searching with a case number and save as a PDF.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID,  OP, VL, VR |
|  | event-2 | The User will now click the **“Case Details”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The user will now write a case number in a **TextField** and click on the **“Search”** button which will load the **textArea** with case details from a file. | | | UID,UIE,OP |
|  | event-4 | Now he can write on the TextArea and click “Save to File button” to save the Case Details . | | | UIE |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-3** | **Description of Goal-3: The District Officer can manage and create a budget allocation for the mobile court operations, including expenses and reimbursements based on the operation details and save them in a file.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Budget Allocation”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will select the operation type from the ComboBox and select the place from the ComboBox, and write the budget in a TextField. | | | UID |
|  | event-4 | Now he will click on the **“Allocate Budget”** button to load the information in a **TableView.** | | | UIE,OP |
|  | event-5 | Now he will click on the **“Budget Save To File”** button to save the information in a file. | | | UIE |
|  | event-6 | Then from the search operation ComboBox he will select the operation type. | | | UID |
|  | event-7 | Nowhe will click on the “Generate Pie Chart ” button to see a PieChart of the same type of Operation of different area budgets. | | | OP,UIE |
|  |  | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-4** | **Description of Goal-4: This District Officer can assign new operations providing details like location, institution name, assigned number of RAB officers, Magistrate name and Date-time by saving them in a file.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Assign New Operations”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The user will now write the location ,institution name of the new operation in **TextField** and can select the number of RAB Officers and magistrate names from **ComboBox** and can select date from the **DatePicker.** | | | UID |
|  | event-4 | Then he will click on the “Assign Operation” button to load all the info in the TextArea. | | | UIE,OP |
|  | event-5 | The user then clicks on the **“Save To File”** button to save the new operations details in a file. | | | UIE |
|  | event-6 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-5** | **Description of Goal-5: The District Officer can assign cases to lawyers to ensure that cases are handled by the appropriate legal professionals by saving them in a file.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Assign Lawyer”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will select a lawyer name from a **ComboBox** and write the case number in a **TextField** a Write about cases on the TextArea . | | | UID |
|  | event-5 | He will click on the **“Load In the Table”** button to load the lawyer name and case number which are assigned to them in a **TableView.** | | | UIE,OP |
|  | event-5 | He will click the **“Save File”** button to save the information in a file. | | | UIE |
|  | event-6 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-6** | **Description of Goal-6: This District Officer can view a list of lawyers available that time executed from a file to assign cases to the appropriate legal professionals.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Available Lawyers ”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will click on the **“Available Lawyer List”** button to display the list of the lawyer's name on a **TextArea** from a file. | | | UIE,OP |
|  | event-4 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-7** | **Description of Goal-7: The District Officer can load details of the operations executed from a file and generate a pie chart to view location wise crime rate.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select **“Forgot Password”** to reset his password. | | | UIE, UID,  OP, VL, VR |
|  | event-2 | The User will now click on the **“Crime Rates ”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will select the District From the ComboBox and write the number of crimes occur in the selected district. | | | UID |
|  | event-4 | Then he will click on the “Load” button to load the info on the TextArea. | | | UIE, OP |
|  | event-5 | Then he will Click on the “Pie Chart View” button to Generate a PieChart of crime rate on the scene. | | | UIE, OP |
|  | event- | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-1, Goal-8** | **Description of Goal-8: The District Officer can generate reports/files on each case on the app.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **District Officer** will be executed.  If the login is successful, the dashboard for the **District Officer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Report”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene, he will write a report in a **TextArea** on any cases if he wants; with the case number which he is reporting. | | | UID |
|  | event-4 | Then he will click on the **“Save File”** button to save the report regarding a case in a file. | | | UIE |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |

| **User-2: Lawyer** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-2, Goal-1** | **Description of Goal-1: The Lawyer can view the cases the district officer assigned him/her.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select **“Forgot Password”** to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“View Assigned Cases”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will click on the **“Load File”** button to see the case number in which he is assigned by the district officer in a **TextArea.** | | | UIE,OP |
|  | event-4 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-2** | **Description of Goal-2: The Lawyer can view the details of the defendants, understand the nature of the case and the parties involved.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select **“Forgot Password”** to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Details Of Defendants”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will write a case number in a **TextField.** | | | UID |
|  | event-4 | Then he will click on a **“Load Defendants Details”** button which will load the details from a file of the defendants of a particular case whose number is written on the **TextField** in a **TextArea.** | | | UIE,OP,VL |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-3** | **Description of Goal-3: This Lawyer can read case details files such as case number, nature of the crime, date of the incident ,location of the incident in which he is assigned.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Case Details ”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will click on the**”Search Case Details”** button which will load the table with relevant information from a case file. | | | UIE,OP,VL |
|  | event-4 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-4** | **Description of Goal-4: The Lawyer can add notes or comments to a case to keep track of progress and can save to a file and can generate a PDF.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Add Comments”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will write a case number in a **TextField** and will add or write notes regarding the case in a **TextArea.** | | | UID |
|  | event-4 | Then he will click on the **“Add”** button to save the case number and notes in a file. | | | UIE |
|  | event-5 | And will click on the **“PDF Generate”** button to make a pdf. | | | UIE |
|  | event-6 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-5** | **Description of Goal-5: The Lawyer can update the status such as pending, active, dismissed, closed, in progress of each case assigned to them in a file and can generate a bar chart to view the number of different case status.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the “**Update Case Status** ” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will select the status option(**pending, active, dismissed, closed, in progress)** from the **ComboBox.** | | | UID |
|  | event-4 | Then he will write a case number in a **TextField.** | | | UID |
|  | event-5 | Then he will click on the **“Load”** button which will load the case number and status of the case in a **Table.** | | | UIE,OP |
|  | event-6 | Then he will click on the **“Submit”** button which will save the table info in a file. | | | UIE |
|  | event-7 | Then the user will now click on the **“Generate Bar ”** button which will redirect him/her to a new scene. A bar chart will show in that scene. | | | UIE,OP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-6** | **Description of Goal-6: This Lawyer can report to the Office Clerks or to the Magistrate regarding a case by saving the report in a file.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click on the **“Report ”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will select the person from the **ComboBox** or write the name in the **TextField** whom he wants to report. | | | UID |
|  | event-4 | Then he will write a report in a **TextArea** in the same scene. | | | UID |
|  | event-5 | Then he will click on the **“Save To File”** button to save the report on a file to send them to the person. | | | UIE |
|  | event-6 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-7** | **Description of Goal-7: The Lawyer can communicate with the RAB Officer to provide more detailed information (file) on the operation such as defendant & evidence details and number of defendants etc. to perform efficient judicial work.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The user will now click on the **“Contact RAB Officers ”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will write a request report to the RAB Offices; to send him the detailed information on the operation in a **TextArea.** | | | UID |
|  | event-4 | Then he will click on the **“Save To File”** button to save the report in a file. | | | UIE |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-8** | **Description of Goal-8: The Lawyer can communicate with the District Officer to ask questions or to provide more information about the case to do his work properly.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Lawyer** will be executed.  If the login is successful, the dashboard for the **Lawyer** will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The user will now click on the **“Contact District Officers”** button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In that scene he will write a request report or ask questions in a **TextArea** to the District Officers to send him more information about the operation. | | | UID |
|  | event-4 | Then he will click on the **“Submit”** button to save the **TextArea** message in a file. | | | UIE |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |

| User-3: **Magistrate** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-3, Goal-1** | **Description of Goal-1: The Magistrate can use the app to manage the cases assigned to them by reviewing the case details, fixing the court appearance date of the defendant, or depositing the fine for the respective case as per the verdict.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Review Case Details**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will now type in the case number, defendant name, crime details, and will provide a verdict using text fields. | | | UID |
|  | event-4 | The User can then manage the case details using an editable table | | | UIE, OP |
|  | event-5 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-2** | **Description of Goal-2:** **The Magistrate can view (Table) comprehensive case file information such as, case ID, case title, defendant information, evidence, witness statements to make informed decisions.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**View Case Information**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In the new scene the User will select the “**Load Case Details**” button which will load the table with relevant information from a file. | | | UIE, OP, DP |
|  | event-4 | The User will now type in the case number, defendant name, and crime detail using text fields. | | | UID, VL |
|  | event-5 | The User will then input his/her name, id, and verdict using text fields and assign a date from a date picker. | | | UID |
|  | event-6 | Finally the User will select “**Save Verdict Info**” to save the newly input information in another file. | | | UIE, DP |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-3** | **Description of Goal-3: The Magistrate can schedule and manage court sessions effectively by setting session date and time for further legal proceedings. He/She can also propose courtrooms for the sessions.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Set Court Schedule**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will now click a button called “**Load Cases**” to load a table which will be generated using a file that contains the cases which have been requested for further legal proceedings. | | | DP, UIE |
|  | event-4 | The User will now select the case unique ID and input it in a text field along with the name and ID of the defendant, and the case title. | | | UID, VL |
|  | event-5 | Now the User will select a date from a date picker for the next hearing and select a proposed courtroom from a combobox. | | | UID, VL |
|  | event-6 | Once all the information has been given the User will select “**View Hearing Details**” which will show the information in a text area. | | | UIE |
|  | event-7 | Clicking “**Save Hearing Details**” will save the above mentioned information in a file. | | | UIE, DP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-4** | **Description of Goal-4:** **The Magistrate can issue a search warrant when requested by the RAB Officer, provided there is sufficient evidence that a crime has been committed.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Issue Search Warrant**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In the new scene the User will click the “**Load Warrant Request**” button to populate a table from a file. | | | UIE, OP, DP |
|  | event-4 | From the loaded table the User will go through the requests and based on his/her decision, will input the unique warrant id, institution name using text fields. | | | UID |
|  | event-5 | The User will input the Id of the RAB Officer in charge of the search warrant and also select the number of subordinates to help the officer using a text field. | | | UID, VL |
|  | event-6 | Now using a text field the User will input his/her name and the date from a date picker which will resemble a signature. | | | UID |
|  | event-7 | Clicking the “**View Draft**” button will show the above input data in a text area. | | | UIE, OP |
|  | event-8 | Finally, clicking the “**Issue Warrant**” button will save the information in a file following a confirmation alert. | | | UIE |
|  | event-9 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-5** | **Description of Goal-5: The Magistrate can save the verdict details of a case and his/her given judgment in a file. He/She can generate a pie chart to analyze how many cases have been fined, shut down and were sentenced to jail time.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Verdict Pie Chart**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User can now input the verdict ID and case ID using a text field and the verdict type from a combo box. | | | UID, VL |
|  | event-4 | From there the User can save this information in a file by clicking “**Save Verdict Details**”. | | | UIE |
|  | event-5 | Clicking “**View in Table**” will show the saved information in a table from the file. | | | UIE, DP, OP |
|  | event-6 | The User may click “**View in Pie Chart**” to see the details in a pie chart as well. | | | DP, OP |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-6** | **Description of Goal-6: The Magistrate can communicate and collaborate with Court Clerks to ensure court sessions are conducted smoothly.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Contact Court Clerk**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User must first input their User ID and message ID using text fields and select the urgency level using radio buttons. | | | UID, VL |
|  | event-4 | Now using a text area the User will input their message which will be sent to the Court Clerk. | | | UID |
|  | event-5 | Next the User will need to provide his/her signature using text fields and date using a date picker. | | | UID, VL |
|  | event-6 | Clicking “**Send Message**” will create a file using the above mentioned data following a confirmation alert. | | | UIE |
|  | event-7 | Clicking “**View Message**” will read the saved data from the file and show them in a text area. | | | UIE, DP, OP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-7** | **Description of Goal-7:** **A Magistrate can charge fines or impose jail sentences on individuals or companies based on their criminal activities and create a report as PDF.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Announce Verdict & Create Report**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will now input the date from a datepicker and input a unique id in a text field. | | | UID |
|  | event-4 | Now using text fields the User will input the name of the defendant, institution and the type of institution from a combo box. | | | UID |
|  | event-5 | Using a text area the User will write down the crime details and the section of the law in a text field. | | | UID |
|  | event-6 | The User will now select either “**Fine**” or “**Jail**” using radio buttons and click a button named “**View**” to show the above mentioned information in a text area. | | | UIE |
|  | event-7 | Clicking the “**Create PDF**” button will initiate the pdf creation process following a confirmation alert. | | | UIE, OP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-3, Goal-8** | **Description of Goal-8:** **A Magistrate can create a bar chart based on the types of criminal activities and analyze the results.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Magistrate will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Analyze Criminal Activity**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | Here the User will create a file clicking “**Save Activity Information**” where the input will have crime type using a ComboBox, occurrence amount & year of the crime using text fields. | | | UID, UIE, VL |
|  | event-4 | Now clicking “**View Saved Info**” will show the contents of the file in Table | | | UIE, OP, DP |
|  | event-5 | The User will now load a bar chart from the above mentioned file based on the types of crime by clicking the “**Load Bar Chart**” button. | | | UIE |
|  | event-6 | Based on the results of the bar chart the User can select a button called “**View Maximum & Minimum Crime Type Activity**” and input the year which will show the crime types having the maximum & minimum number of occurrences in a certain year in a label. | | | UID |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |

| User-4: **RAB Officer** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-4, Goal-1** | **Description of Goal-1:** **A RAB Officer can request for a search warrant to be issued by a magistrate to perform search investigation against an institution.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Request Search Warrant**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In the new scene the User will select the type of institution from a combo box and input the name of the institution. | | | UIE, UID |
|  | event-4 | The User will also select the proposed date of search using a date picker and his/her badge number using a text field.  If the badge number is not given an integer it will generate a warning alert. | | | UID, VL |
|  | event-5 | Now the User must also provide the sufficient reasoning for the search using a text area. | | | UID |
|  | event-6 | Finally the User will assign a unique id for the proposed search warrant and click the “**Save Warrant Info**” button to save the details in a file following a confirmation alert. | | | UIE, UID, VL |
|  | event-7 | If the user wants to view the saved data then he/she can click the “**Show Saved Information**” button to view the saved information. | | | UIE, OP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-2** | **Description of Goal-2:** **A RAB Officer can create incident reports to record operational details such as date, time, location, type of crime, and outcome of the operation.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Incident Reporting**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will now input a unique id, and name of the institution using text fields. | | | UID, VL, VR |
|  | event-4 | Using a date picker the User will select the date of the operation and record the time using a text field. | | | UIE, UID |
|  | event-5 | Now the User will input the details of the crime, and the number of defendants involved. | | | UID |
|  | event-6 | Clicking the “**Show Result**” button will show the above mentioned results in a text area. | | | UIE |
|  | event-7 | Now clicking the “**Save Result**” button will save the information in a file following a confirmation alert. | | | UIE, VR, DP |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-3** | **Description of Goal-3:** **A RAB Officer can record the details of the defendants such as personal details, location, charged law section, and date-time of the operation.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Defendant Information**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will input the name, NId number, permanent address, contact details in different text fields. | | | UID |
|  | event-4 | Using radio buttons the user will select the gender of the defendant. | | | UIE, UID |
|  | event-5 | Using a check box the User will select if the defendant is related to any organization. | | | UIE |
|  | event-6 | If the check box is ticked then the text field for inputting the institution name will be editable and User will have to input the name of the institution. | | | VR |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-4** | **Description of Goal-4:** **A RAB Officer can store and catalog details of evidence and exhibits collected during operations or presented during judgment and create a pie chart to view summarized analysis.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Evidence Management**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | Here the User will select the type of the evidence using combo box and the name using text field | | | UID |
|  | event-4 | The User will also select the date of acquisition from a date picker and assign a unique id for each evidence collected using a text field. | | | UID, VL |
|  | event-5 | Clicking the “**Load Table**” button will show the evidence information in a table view. | | | UIE, DP |
|  | event-6 | And Clicking the “**Generate Pie Chart**” button will show a pie chart based on the types of evidence cataloged. | | | UIE, DP |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-5** | **Description of Goal-5:** **A RAB Officer can respond to an emergency, requested by an Undercover Investigator to provide necessary backup and support.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Emergency Support**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will click a button named “**Load Emergency Request**” which will load the relevant data in a table view. | | | UIE, DP |
|  | event-4 | Using the unique Id of the request the User will select a number of Subordinates to respond using a text field . | | | UID |
|  | event-5 | The User will also provide the ETA (Estimated Time of Arrival) using text fields. | | | UID, DP |
|  | event-6 | After providing all the details the User will select the “**Respond**” button which will save the above mentioned information in a file and show it in a text area following a confirmation alert. | | | UIE, DP |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-6** | **Description of Goal-6:** **A RAB Officer can record the case details of a certain operation in a file for future referencing.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Create Case File**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will input case ID, caseTitle, officer badge number using text fields | | | UID, VL |
|  | event-4 | The User will also input the evidence list, the eye witness information and the defendant information using text field. | | | UID, VL |
|  | event-5 | After inputting all the necessary data the user will select the “**View Draft**” button which will show the above input data in a text area following a confirmation alert. | | | UID, OP |
|  | event-6 | After confirming the draft the User will now select “**Save Case File**” which will save the information in a file following a confirmation alert. | | | UIE |
|  | event-7 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-7** | **Description of Goal-7:** **A RAB Officer can use the app to manage their team, assign their roles, tasks, and keep track of the performance of the subordinates.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Subordinate Management**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | The User will input the date of the operation using a date picker. | | | UID |
|  | event-4 | He/She will then input the location of the operation and the name of the institution using text fields. The type of the institution can be chosen using a combo box. | | | UID |
|  | event-5 | Now the User will input the number of subordinates to be assigned for a particular operation  A single operation must have at least 5 and at maximum 10 subordinates. | | | UID |
|  | event-6 | Any other numbered input will result in a warning alert. | | | UID, OP, VL |
|  | event-7 | The above mentioned information can be viewed in a text area by clicking the “**View Draft**” button. | | | UIE |
|  | event-8 | Finally the User can save his/her input data in a file by clicking the “**Save Information**” button. | | | UIE |
|  | event-9 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-4, Goal-8** | **Description of Goal-8:** **A RAB Officer can use the app to provide more detailed information such as, defendant history details, crime description to the Lawyer for judicial purposes.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the RAB Officer will be executed.  If the login is successful, the dashboard for the RAB Officer will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will now click the “**Additional Case Information**” button which will redirect him/her to a new scene. | | | UIE, OP |
|  | event-3 | In this scene the user will click a button called ‘**View Additional Information Request**’ which will load a text area with the case IDs whom the lawyer has requested additional information for. | | | UIE, OP |
|  | event-4 | Now Using text fields the User will assign a unique ID for the Additional Case Information | | | UID, VL |
|  | event-5 | Now the User will input the case ID and the defendant ID for which he/she will provide additional information using text fields. | | | UID, VL |
|  | event-6 | The User can specify if the defendant has any criminal history using radio buttons.  If ‘**Yes**’ then a text area will become editable to insert the past criminal history of the defendant. | | | UID |
|  | event-7 | Once the data is inserted the User can select “**View Draft**” to see his/her input in a text area. | | | UIE, OP |
|  | event-8 | After a confirmation alert the User can select “**Save Data**” to save the above input data in a file. | | | UIE |
|  | event-9 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |

| User-5: **Court Clerk** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-5, Goal-1** | **Description of Goal-1: Clerk will maintain time and registration of the case** | | | | **Event Type** |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | After the login session the dashboard will appear in this scene | | | **…….** |
|  | event-3 | In this scene clerk will make a new file with proper time , name and other informations needed for a case registration and maintain a inventory | | | UID |
|  | event-4 | In the next scene name of all the other officials related to the case will appear on the screen and clerk will send a copy of the case registered to them who need any information | | | UIE, DP, OP |
|  | event-**5** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-5, Goal-2** | **Description of Goal-2:** **Clerk will maintain the time table of the operation to be conducted** | | | |  |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene clerk will make a new file with proper time , name,title and other informations needed for a new operation** | | | UID |
|  | event-4 | **In the next scene name of all the other officials related to the case will appear on the screen and clerk will send a copy of the file to all of them** | | | UIE, DP, OP |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-5, Goal-3** | **Description of Goal-3: Court Clerk will register case details such as case number, case title, defendant information, evidence, and witness statements and save them in a file.** | | | |  |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **file with proper time , name , cse number , case title, defendant information ,evidence, and witness statements and save them in a file.** | | | UID |
|  | event-4 | **In the next scene name of all the other officials related to the case will appear on the screen and clerk will send a copy of the file to all of them** | | | UIE, DP, OP |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-5, Goal-4** | **Description of Goal-4:**Clerk will generate pdf of filed case and send to others**.** | | | |  |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene clerk will make a new pdf with the information of the case registered** | | | UID |
|  | event-4 | **In this scene name of all the other officials related to the case will appear on the screen and clerk will send a copy of the file to all of them** | | | UIE, DP, OP |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard.**.** | | | **OP** |
|  | | | | | |
| **User-5, Goal-5** | **Description of Goal-5:**Clerk will maintain bail paper of the convict | | | |  |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | **…….** |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene clerk will make a new pdf with the information of defendant for his bailing purpose** | | | **…….** |
|  | … | **In this scene name of all the other officials related to the case will appear on the screen and clerk will send a copy of the file to all of them** | | | **…….** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **…….** |
|  | | | | | |
| **User-5, Goal-6** | **Description of Goal-6:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |
|  | | | | | |
| **User-5, Goal-7** | **Description of Goal-7:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |
|  | | | | | |
| **User-5, Goal-8** | **Description of Goal-8:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |

| User-6: **Defendant** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-6, Goal-1** | **Description of Goal-1:** **Defendant can hire or dismiss or change lawyer for his/her case** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the **Defendant** will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene defendant will be able to hire or change his/her lawyer** | | | **UID** |
|  | event-4 | **In this scene defendant will be able to dismiss his/her lawyer** | | | **UID** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-6, Goal-2** | **Description of Goal-2:**Convict can apply to delay or lower his/her punishment | | | |  |
| **Workflow:** | event-1 | Login procedure for the **D** will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene convict will be able to apply for delaying his/her punishment to the Magistrate** | | | **UID** |
|  | Event-4 | **n this scene convict will be able to apply to lower the punishment to the Magistrate** | | | **UID** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-6, Goal-3** | **Description of Goal-3:** **Convict can apply to ask for time to clear the due** | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Convict** will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene convict will apply to ask for time to clear his/her due to the Magistrate** | | | **UID** |
|  | event-4 | **In this scene convict will apply to ask to lower the amount of punishment fee to the Magistrate** | | | **UID** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-6, Goal-4** | **Description of Goal-4:**Convict can apply to the higher court for further investigation or to change the rite against him/her | | | |  |
| **Workflow:** | event-1 | Login procedure for the **Convict** will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene convict will be able to apply to the higher court for further investigation** | | | **UID** |
|  | event-4 | **In this scene convict will be able to apply to change the rite against him/her** | | | **UID** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **OP** |
|  | | | | | |
| **User-6, Goal-5** | **Description of Goal-5:** **Convict can apply for bail** | | | |  |
| **Workflow:** | event-1 | The Login procedure for the Clerk will be executed.  If the login is successful, the dashboard for the Magistrate will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | **…….** |
|  | event-2 | **After the login session the dashboard will appear in this scene** | | | **…….** |
|  | event-3 | **In this scene convict will be able to apply for bail** | | | **…….** |
|  | … | **In this scene convict will send the bail application to lawyer** | | | **…….** |
|  | event-**n** | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | **…….** |
|  | | | | | |
| **User-6, Goal-6** | **Description of Goal-6:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |
|  | | | | | |
| **User-6, Goal-7** | **Description of Goal-7:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |
|  | | | | | |
| **User-6, Goal-8** | **Description of Goal-8:** **…….** | | | |  |
| **Workflow:** | event-1 | **…….** | | | **…….** |
|  | event-2 | **…….** | | | **…….** |
|  | event-3 | **…….** | | | **…….** |
|  | … | **…….** | | | **…….** |
|  | event-**n** | **…….** | | | **…….** |

| User-7: **Operations Administrator** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-7, Goal-1** | **Description of Goal-1: An Operations Administrator can assign a “Initial Survey ” to a certain Undercover Investigator for a particular institution.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | The User will click the “**Assign Mission**” Button which will redirect to a new scene. | | | UIE, OP |
|  | event-3 | In the next scene The User can Enter category and value of survey chart in different Textfield.. | | | UID,VL |
|  | event-4 | Then the User can select the Institution Location Text Fields for Initial\_Survey\_Mission. | | | UID, VL |
|  | event-4 | The User can Type the description in a Text Area Initial\_Survey\_Mission. | | | UID, VL |
|  | event-5 | If the text field or text area is empty then show Alert. | | | UID |
|  | event-6 | After selecting the Institution name,Institution Location,and type description in the Text Area Operations Administrator can save those in a file by clicking the **“SAVE”**Button. | | | UIE, UID, VL |
|  | event-7 | After clicking the **“SAVE”**Button, information will be shown in the Alert Box . | | | OP,UIE |
|  | event-8 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-2** | **Description of Goal-2: Operations Administrator can schedule a meeting and send notice to the concerned Users.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator dashboard ,the User can Click the “**Schedule Meeting**” button to load the next scene. | | | UIE, OP |
|  | event-3 | After successfully loading the next scene , The User can choose other users who can attend the meeting from the checkbox.. | | | UID |
|  | event-4 | The Operation Administrator can select a date from datepicker and the time for meeting from the textfield. | | | UID |
|  | event-5 | The Operation Administrator can Select the meeting Id from a Textfield. | | | UID |
|  | event-6 | The User can save the Schedule by clicking the **“Save”** button. | | | UIE |
|  | event-7 | The User can view the Schedule by clicking the **“show meeting schedule ”** button. | | |  |
|  | event-8 | Clicking the “**Return Home**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-3** | **Description of Goal-3:** **The Operation Administrator Can Approve Survey Request** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator dashboard ,the User can Click the “**Approve Survey Request**” button to load the next scene. | | | UIE, OP |
|  | event-3 | After successfully loading the next scene, There will be a tableview of Survey Request. | | | OP |
|  | event-4 | From the tableview the Operations Administrator can approve a request by clicking the **“Approve Survey Request”** button. | | | UID, OP |
|  | event-5 | The operation administrator can reject a request by clicking the **“Reject Survey Request”** button. | | | UID |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-4** | **Description of Goal-4:The Operation Administrator can Generate Report for the Cases** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator Dashboard,The operation Administrator can click the “**Generate case Report**” Button to load the next Scene. | | | UIE, OP |
|  | event-3 | After Successfully loading the next Scene , The operation Administrator can make it for a month of a year by selecting month and year from comboBox. | | | UID |
|  | event-4 | The User can Enter case report id in text field and select date from datepicker. | | | UID |
|  | event-5 | The user can write report details in a text Area.and after clicking “Save” button ,the case report will saved in a file | | | UIE |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-5** | **Description of Goal-5:** **The Operation Administrator can view the Survey Reports** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator Dashboard,The operation Administrator can click the “**View Survey Report**” Button to load the next Scene. | | | UIE, OP |
|  | event-3 | After successfully loading the next scene ,in the Text Area there will be shown the Survey Report of the previous month. | | | OP |
|  | event-4 | In this Scene the User can search a survey by Enter survey Id on the TextField. | | | UIE,UID,OP,VL,VF |
|  | event -5 | The user can select the month and year of the Survey Report from Combo Box. | | | UID, OP |
|  | event -6 | Clicking the **“Click to view survey Report “** button the User can view the specific survey Report. | | | UIE,DP,OP |
|  | event-7 | Clicking the “**Back to Dashboard**” button will send the User back to his/her dashboard | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-6** | **Description of Goal-6:The Operation Administrator can View Survey Chart** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator Dashboard,The operation Administrator can click the “**View Survey Chart**” Button to load the next Scene. | | | UIE, OP |
|  | event-3 | After successfully loading the next scene ,there will be shown the Survey Chart (BarChart and pie Chart) of the previous Month. | | | OP,DP |
|  | event-4 | The user can select the month and year of the Survey Chart from the Combo Box. | | | UIE |
|  | event-5 | After selecting the month and year of the Survey Chart by clicking the **“Show Chart”** button ,the user can see the pie chart and bar chart. | | | OP,DP,UIE |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-7** | **Description of Goal-7: The Operation Administrator can view the assigned Survey List** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator Dashboard,The operation Administrator can click the “**View assigned Survey list**” Button to load the next Scene. | | | UIE, OP |
|  | event-3 | After Successfully loading the next Scene , The operation Administrator can view the assigned survey list. | | | OP,DP |
|  | event-4 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-7, Goal-8** | **Description of Goal-8: The Operation Administrator can make charts for cases.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the Operations Administrator will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | After Successfully loading the Operations Administrator Dashboard,The operation Administrator can click the “**Make chart of case**” Button to load the next Scene. | | | UIE, OP |
|  | event-3 | In the next scene The User can Enter category and value of survey chart in different Textfield.. | | | UID,VL |
|  | event-4 | From combo Box the user can select month and year for Survey. | | | UID |
|  | event-5 | After selecting month and year the user can Click the**”add data”** button to file for the charts. | | | UIE,UID |
|  | event-5 | The user can see the Survey chart and click the **“Show Chart”** button. | | | DP,OP,UID |
|  | event-7 | Clicking the “**Back to Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |

| User-8: **Undercover Investigator** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-8, Goal-1** | **Description of Goal-1:** **An Undercover Investigator can go to any type of institution on a particular day to perform an initial survey if there is any potential criminal activity going on.** | | | | **Event Type** |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will click the “**Initial** **Survey Reporting**” button and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene the User will first assign an Initial Survey Id through a textfield.” | | | UID, VL, VR, OP |
|  | event-4 | In the new scene the User can Select the Institution Name and Institution location from Text Fields. | | | UID |
|  | event-5 | In the textarea the User can note the suspicious activity of the Institute. | | | UID |
|  | event-6 | The Undercover investigator will save the suspicious activity in a file by clicking the “**Save To File**” button. | | | UIE, OP |
|  | event-7 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-2** | **Description of Goal-2:** **An Undercover Investigator can request for permission from the Operations Administrator to perform an initial survey providing sufficient information related to the survey.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will click “**Request for Initial Survey**” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene the User can Select the Institution name and Institution location from the Text Fields. | | | UID |
|  | event-4 | The Undercover Investigator can enter id in a textfield. | | | UID,VL |
|  | event-5 | The Undercover Investigator can select a date from the datepicker and request the Operations Administrator for the Initial survey permission by clicking the “**Send Request**” button. | | | UIE, UID |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-3** | **Description of Goal-3:** **An Undercover Investigator can send emergency alerts in case of imminent danger during an operation. Backup and assistance.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will click “**Emergency Alert**” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene The Undercover Investigator can select the location of the Institution name and location in different text fields. | | | UID |
|  | event-4 | The undercover Investigator Can select a different User from the checkbox from who he wants to need help with. | | | UID, OP |
|  | event-5 | In a text Area he can mention the help type he needed. | | | UID |
|  | event-6 | After clicking the “Send Emergency Alert” button the emergency alert details will be saved in a file. | | | UIE |
|  | event-7 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-4** | **Description of Goal-4:** **An Undercover Investigator can visit a previously surveyed institution to check there if the institution is now following all the rules and regulations.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful The User dashboard will appear on screen. From there the User will select **“view Previously Survey list**” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene The Undercover Investigator can check whether the Institution has been visited before. | | | VR |
|  | event-4 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-5** | **Description of Goal-5: An Undercover Investigator can submit a comprehensive report on the outcome.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will select “**Submit Survey Report**” and proceed to the next event. | | | UIE, OP |
|  | event-3 | After Successfully loading the next Scene , The operation Administrator can make it for a month of a year by selecting month and year from comboBox. | | | UID |
|  | event-4 | The User can Enter survey report id and institution name in text field and select date from datepicker. | | | UID |
|  | event-5 | The user can write report details in a text Area.and after clicking the “Save” button ,the case report will be saved in a file. | | | UIE |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-6** | **Description of Goal-6: An Undercover Investigator can make Survey Chart (Bar Chart and pie Chart)** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will select “**Make Survey Chart**” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the next scene The User can Enter category and value of survey chart in different Textfield.. | | | UID,VL |
|  | event-4 | From combo Box the user can select month and year for Survey. | | | UID |
|  | event-5 | After selecting month and year the user can Click the**”add data”** button to file for the charts. | | | UIE,UID |
|  | event-6 | The user can see the Survey chart and click the **“Show Chart”** button. | | | DP,OP,UID |
|  | event-7 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-7** | **Description of Goal-7:** **An Undercover Investigator can make a Schedule for Upcoming Survey.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will select “**Make Schedule** ” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene The Undercover Investigator can select the different institution name , location ,and select the dates for the survey from datepicker. | | | UID |
|  | event-4 | The user can Enter a Survey Id in TextField. | | | VL,UID |
|  | event-5 | After selecting the Institution name,location ,dates for the survey, and survey id The User can save those in a file by Clicking the “**Save**” button. | | | UIE, UID, OP |
|  | event-6 | After clicking the **“Save”** button the schedule will save in a file. | | | UId,vl,vr |
|  | event-7 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |
|  | | | | | |
| **User-8, Goal-8** | **Description of Goal-8:An Undercover Investigator can check a Schedule for Upcoming Survey and remove a Survey from file if the survey is done once.** | | | |  |
| **Workflow:** | event-1 | Login procedure for the User will be executed.  If the login is successful, the dashboard for the User will be generated on screen.  Else the User will select “**Forgot Password**” to reset his password. | | | UIE, UID, OP, VL, VR |
|  | event-2 | If Login is successful the User dashboard will appear on screen. From there the User will select “**Check Schedule** ” and proceed to the next event. | | | UIE, OP |
|  | event-3 | In the new scene a tableview will be shown with Survey Id,institution name , location ,and select the dates for the survey. | | | OP,DP |
|  | event-4 | When clicked on the “make as done” button the selected survey will be removed from the tableview. | | | UIE |
|  | event-5 | The removed schedule will save in a file. | | | UID |
|  | event-6 | Clicking the “**Back To Dashboard**” button will send the User back to his/her dashboard. | | | UIE, OP |