**CSE213 CRA Report**

| **Topic: Simulating operations of Bangladesh Red Crescent Society** | | |
| --- | --- | --- |
| **ID 2230992** | **Name**  **Syed Faizan** | **User1: Volunteer** |
| **User2: Beneficiary** |
| **ID**  **1911258** | **Name**  **Maruf Ahmed Seeum** | **User3: Admin** |
| **User4: Patient (Blood Receiver)** |
| **ID**  **2010537** | **Name**  **Saimon Akther** | **User5: Blood Donor** |
| **User6: Blood Collector** |
| **ID**  **1930765** | **Name**  **Md. Fahad Khandaker** | **User7: General Public** |
| **User8: Partner Organization** |

**P.T.O**

**Possible event type:**

* 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)

assume there are workflows for common processes (**these are NOT GOALs**):

| **Process-1: Register** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | | | | event type |
| Workflow: | event-1 | User switches to Registration scene by clicking on ‘Register Now’ button. | | | UIE |
|  | event-2 | Input user city. | | | UID |
|  | event-3 | Input user ID. | | | UID |
|  | event-4 | Input user’s chosen password. | | | UID |
|  | event-5 | Select User type from combobox + any other information relevant to the specific user. | | | UID |
|  | event-6 | User selects usertype which enables the ‘Register’ button | | | PC, UIE |
|  | event-7 | If all the fields are filled with valid Information (Name has to be String and fields should not be empty). | | | VL |
|  | event-8 | Clicking “Register” switches to Login scene for the user with a “Registration Successful” message in the form of an Alert. | | | UIE, OP |
|  | | | | | |

| **Process-2: Login** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | | | | event type |
| Workflow: | event-1 | User selects user type and enters login credentials: Login ID and Password | | | VL |
|  | event-2 | Verify user id and password from user credentials stored in the .bin file specific to selected User Type | | | VR, DP |
|  | event-3 | Switch to specific user dashboard matching user-type if verification is successful  Else:  Show login failed | | | OP, DP |
|  | | | | | |

| **Process-n: SignOut** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | | | | event type |
| Workflow: | event-1 | If user clicks on sign out button: switch back to login scene with all fields empty. | | | UIE |
|  | | | | | |

**Workflow of user specific goals:**

| **User1 name: Volunteer** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-1, Goal-1** | **Description of Goal-1: Volunteer can register and proceed to post messages in the forum to connect with other users.** | | | | event type |
| Workflow: | event-1 | Volunteer switches to registration screen by clicking ‘Register Now’ from initial Login screen. | | | UIE |
|  | event-2 | ‘Register’ process is carried out. | | | UID, PC, VL, OP |
|  | event-3 | After registration is successful, Vounteer is brought back to the Login Scene to select user type and enter credentials | | | UIE |
|  | event-4 | If all fields of event-4 are filled:  ‘Login’ process common goal is carried out.  else:  Show failed verification alert. | | | VL, VR, DP, OP |
|  | event-5 | If login process succeeds:  User is brought to their User-specific Dashboard, which is “Volunteer Dashboard” in this case. | | | OP |
|  | event-6 | Volunteer clicks on ‘Forum’ button in the volunteer dashboard screen to switch to Forum Scene | | | UIE |
|  | event-7 | All previous messages are loaded into the scene by other users and their names, plus user type is displayed beside their message. | | | DP, OP |
|  | event-8 | Volunteer writes a message and clicks on ‘Post’:  The message is saved to a text file containing all messages from users.  Message is also displayed on the TextArea. | | | UIE, UID, OP |
|  | event-9 | Volunteer can go back to their dashboard screen by pressing on ‘Go Back’ Button | | | UIE |
|  | | | | | |
| **User-1, Goal-2** | **Description of Goal-2: Volunteer can participate in events added by the Red Crescent admin** | | | |  |
| Workflow: | event-1 | “View All Events” button clicked from dashboard switches to All events Scene. | | | UIE |
|  | event-2 | Load all events from event database created by Admin into the scene. | | | DP, OP |
|  | event-3 | Volunteer selects a particular volunteering event and clicks ‘Participate’, add event to Volunteer’s specific instance. | | | UIE |
|  | event-4 | Volunteer selects ‘View Details’ scene to view more details about selected event (Refer to User 1, Goal 8, event-3), switching to View Details Scene. | | | UIE, OP |
|  | event-5 | Volunteer selects ‘Go Back’ button to return from View Details Scene back to All events Scene. | | | UIE |
|  | event-6 | User selects ‘Go Back’ again to return to Volunteer Dashboard. | | | UIE |
|  | event-7 | Newly participated events are shown in Volunteer’s dashboard along with previously participated events (if any). | | | DP, OP |
|  | event-8 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-3** | **Description of Goal-3:** **Volunteer can mark events as completed** | | | |  |
| Workflow: | event-1 | Volunteer selects an event from the dashboard screen. | | | UIE |
|  | event-2 | “Mark Complete” button is enabled if an event is selected. | | | PC, OP |
|  | event-3 | If Volunteer clicks on “Mark Complete” button:  Add selected event into Volunteer’s completedEvents database section. (If user has not already completed the event) | | | DP, VR |
|  | event-4 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-4** | **Description of Goal-4:** **Volunteer can cancel participation from a participated Event.** | | | |  |
| Workflow: | event-1 | Volunteer selects an event from the dashboard screen. | | | UIE |
|  | event-2 | “Cancel Participation” button is enabled if an event is selected. | | | PC, OP |
|  | event-3 | If Volunteer clicks on “Cancel Participation” button:  Remove selected event from Volunteer’s participated database section. | | | DP, UIE |
|  | event-4 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-5** | **Description of Goal-5: Volunteer can view their data of completed Events** | | | |  |
| Workflow: | event-1 | Volunteer selects “My Volunteer Data” button from Dashboard. | | | UIE |
|  | event-2 | Volunteer’s data loads into a new scene.  TableView: List of Completed Events by the Volunteer are shown.  BarChart: Number of events completed in each month shown. | | | DP, OP |
|  | event-3 | Volunteer selects “Go Back” button to return to the Dashboard. | | | UIE |
|  | event-4 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-6** | **Description of Goal-6: Volunteer can view list of all volunteers registered with the Red Crescent to collaborate/team up if they wish to.** | | | |  |
| Workflow: | event-1 | Volunteer selects “View Volunteers” button from Dashboard. | | | UIE |
|  | event-2 | Volunteers list loads into a new scene.  TableView:All Volunteers are loaded into the table with columns displaying Name, ID, Email, Preferred Days and City Location of the Volunteers.  (Sensitive/Private information is left out and only content necessary for collaboration is displayed) | | | DP, OP |
|  | event-3 | Volunteer selects “Go Back” button to return to the Dashboard. | | | UIE |
|  | event-4 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-7** | **Description of Goal-7:** **Volunteer can view Emergency Alerts by the Admin and prioritise Events.** | | | |  |
| Workflow: | event-1 | A section of the volunteer dashboard is dedicated to viewing Emergency Alerts added to the database by the Admin.  (Purpose: Volunteer can see the emergency alerts and prioritise participation in the specific event(s) mentioned in the Emergency Alert section by the Admin. (User 1, Goal 2)) | | | OP |
|  | event-3 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |
|  | | | | | |
| **User-1, Goal-8** | **Description of Goal-8: Volunteer can view more details about an Event** | | | |  |
| Workflow: | event-1 | Volunteer selects an Event they have participated in. | | | UIE |
|  | event-2 | “View Details” button is enabled | | | OP |
|  | event-3 | Volunteer clicks on “View Details” which loads a new scene with the description of the event added by the Admin for every event. | | | UIE |
|  | event-4 | If volunteer decides to sign out, they click on the“Sign Out” button.  Sign out process carried out. | | | UIE |

| **User-2 name:** Beneficiary | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-2, Goal-1** | **Description of Goal-1:** **Beneficiary can view Emergency Contact numbers provided by Admin** | | | | event type |
| Workflow: | event-1 | Beneficiary registers: ‘Register’ Process happens. | | | UIE, UID, VL, PC, OP |
|  | event-2 | Beneficiary logs in: ‘Login’ Process takes place. | | | VL, VR, DP, OP |
|  | event-3 | Beneficiary is brought to Beneficiary Dashboard if credentials match. | | | VR, PC |
|  | event-4 | Beneficiary clicks on ‘Emergency Contact Numbers’ button and the scene is switched | | | UIE |
|  | event-5 | All emergency contact numbers added by the Admin are loaded into a tableview specific to Beneficiary’s location. | | | DP, OP |
|  | | | | | |
| **User-2, Goal-2** | **Description of Goal-2:** **Beneficiary can view Emergency Notices/Alerts by the Admin.** | | | |  |
| Workflow: | event-1 | Beneficiary is shown a text-area which is updated accordingly for the Admin’s posted Emergency notices/alerts.  (Purpose: Beneficiary may choose to prioritise a specific event based on the notices) | | | OP |
|  | | | | | |
| **User-2, Goal-3** | **Description of Goal-3:** **Beneficiary can view Events happening in their city and participate in the event(s).** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on ‘Events Near Me’ button from the dashboard and the scene is switched. | | | UIE |
|  | event-2 | In the new scene, all the events that are added by the Admin are loaded, specific to the city the Beneficiary is in. | | | DP, OP |
|  | event-3 | Beneficiary clicks on an event, ‘Participate; button is enabled. | | | PC, OP |
|  | event-4 | Beneficiary clicks on ‘Participate’ button to participate in an event. The event is added to Beneficiary’s participatedEvents list. | | | UIE |
|  | event-4 | Beneficiary can choose to view more details about an event by clicking on ‘View More Details’ button on the same scene as the ‘Participate’ Button. (Goal 5, event-3) | | | UIE, OP |
|  | event-5 | Beneficiary goes back to dashboard by clicking ‘Go Back’ button, ‘My Events’ Tableview is loaded with the events beneficiary has participated in. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-4** | **Description of Goal-4: Beneficiary can delete an event which effectively cancels their participation from the joined event(s).** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on an event from their dashboard’s ‘My Events’ TableView. | | | UIE |
|  | event-2 | ‘Delete Event’ button is enabled due to an event being selected from the TableView. | | | PC, OP |
|  | event-3 | Beneficiary clicks on the ‘Delete Event’ button which removes the event from the TableView as well as the list of participated events in each beneficiary’s record. | | | UIE, DP, OP |
|  | | | | | |
| **User-2, Goal-5** | **Description of Goal-5: Beneficiary can view more Details of an event** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on an event from their dashboard’s ‘My Events’ TableView. | | | UIE |
|  | event-2 | ‘View Details’ button is enabled due to an event being selected from the TableView. | | | PC, OP |
|  | event-3 | Benenficiary clicks on ‘View Details’ button to switch to a new scene which loads in the description of the event added by the Admin during event creation. | | | UIE, OP |
|  | | | | | |
| **User-2, Goal-6** | **Description of Goal-6:** **Beneficiary can view Blood Bank status updated by the Admin in a Pie-chart.** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on ‘Blood Bank Services’ button from the dashboard | | | UIE |
|  | event-2 | Blood Bank Inventory controlled by the Admin is loaded into the scene with a Pie Chart for visual representation. Pie Chart Data is loaded from a .txt file created and managed by the Admin  (Beneficiary can make blood requests based on stock information from the Pie Chart) | | | DP, OP |
|  | | | | | |
| **User-2, Goal-7** | **Description of Goal-7: Beneficiary can make a request for a specific blood type** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on ‘Blood Bank Services’ button from the dashboard which loads a new scene. | | | UIE |
|  | event-2 | Beneficiary selects Blood Type combobox to select the required blood type. | | | UID |
|  | event-3 | Beneficiary selects the Amount required from the second combobox named amountNeededComboBox | | | UID |
|  | event-4 | If both comboboxes have data selected:  Submit a request which is saved in a file.  Admin can view requests by beneficiary’s Id and Name | | | PC, VL |
|  | | | | | |
| **User-2, Goal-8** | **Description of Goal-8: Beneficiary can connect with a beneficiary forum.** | | | |  |
| Workflow: | event-1 | Beneficiary clicks on ‘Forum’ button in the beneficiary dashboard screen. | | | UIE |
|  | event-2 | All previous messages are loaded into the scene by other users and their names, plus user type is displayed beside their message. | | | DP, OP |
|  | event-3 | Beneficiary writes a message and clicks on ‘Post’:  If message TextArea is not empty:  The message is saved to a .txt file which contains all forum messages.  Beneficiary’s Message is also displayed on the TextArea. | | | UID, PC, OP |
|  | event-4 | Beneficiary can go back to their dashboard screen by pressing on the ‘Go Back’ Button. | | | UIE |

| **User-3 name:** **Admin** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-3, Goal-1** | **Description of Goal-1:** **Admin monitors and updates the blood inventory.** | | | | event type |
| Workflow: | event-1 | Admin accesses the blood inventory scene | | | UIE |
|  | event-2 | Admin update the inventory with new blood donations or discard blood units. | | | UIE/PC |
|  | event-3 | System updates the blood inventory. | | | PC |
|  | | | | | |
| **User-3, Goal-2** | **Description of Goal-2:** **Admin handles the blood requests submitted by patients.** | | | |  |
| Workflow: | event-1 | Admin access the blood request management scene. | | | UIE |
|  | event-2 | Admin check the new blood request details. | | | VL |
|  | event-3 | Admin assigns compatible blood units for the request. | | | OP |
|  | event-4 | Admin notifies the patient about the available blood. | | | OP/UID |
|  | | | | | |
| **User-3, Goal-3** | **Description of Goal-3:** **Admin updates user information in the system.** | | | |  |
| Workflow: | event-1 | Admin accesses the user information management scene. | | | UIE |
|  | event-2 | Admin selects the user to update. | | | UIE |
|  | event-3 | Admin modifies the user's information. | | | UIE |
|  | event-4 | System saves the updated user information. | | | PC |
|  | | | | | |
| **User-3, Goal-4** | **Description of Goal-4:** **Admin manages and maintains transfusion records.** | | | |  |
| Workflow: | event-1 | Admin accesses the transfusion records scene. | | | UIE |
|  | event-2 | Admin views the existing transfusion records. | | | VL |
|  | event-4 | Admin updates ( add new or change existing record) transfusion records | | | UIE |
|  | event-5 | System saves the transfusion records. | | | PC |
|  | | | | | |
| **User-3, Goal-5** | **Description of Goal-5:** **Admin monitor blood donation campaigns.** | | | |  |
| Workflow: | event-1 | Admin accesses the blood donation campaign monitoring scene | | | VL |
|  | event-2 | Admin views the recent blood donation record. | | | VL |
|  | event-3 | Admin generates reports on blood donation statistics. | | | UIE,PC |
|  | | | | | |
| **User-3, Goal-6** | **Description of Goal-6:** **Admin track blood banks activities.** | | | |  |
| Workflow: | event-1 | Admin accesses the blood bank scene. | | | UIE |
|  | event-2 | Admin views the blood bank activity record . | | | UIE |
|  | event-3 | Admin Generates reports on blood banks. | | | UIE,PC |
|  | | | | | |
| **User-3, Goal-7** | **Description of Goal-7:** **Admin organizes training programs.** | | | |  |
| Workflow: | event-1 | Admin accesses the training program scene. | | | UIE |
|  | event-2 | Admin can view the training program list. | | | UIE |
|  | event-3 | Admin can add new training programs in the list. | | | UIE |
|  | event- 4 | System save new training program in the list & show success message. | | | PC |
|  | | | | | |
| **User-3, Goal-8** | **Description of Goal-8:** **Admin handles feedback and queries from members.** | | | |  |
| Workflow: | event-1 | Admin enters the feedback & queries scene. | | | UIE |
|  | event-2 | Admin receives member or user feedback or queries. | | | UID |
|  | event-2 | Admin response to member feedback or queries. | | | UIE,PC |

| **User-4 name:** **Patient (Blood Receiver)** | | | | | |
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|  | | | | | |
| **User-4, Goal-1** | **Description of Goal-1:** **The patient submits a request for blood.** | | | |  |
| Workflow: | event-1 | Patient accesses the blood request scene. | | | UIE |
|  | event-2 | Patient select the desired blood group. | | | UIE |
|  | event-3 | Patient specify the required quantity. | | | UIE |
|  | event-4 | Patient submit the blood request. | | | UIE |
|  | event-5 | System receives the blood request. | | | PC |
|  | | | | | |
| **User-4, Goal-2** | **Description of Goal-2:** **The patient views the transfusion history.** | | | |  |
| Workflow: | event-1 | Patient enter into the transfusion history scene. | | | UIE |
|  | event-2 | Patient selects the option to view their transfusion history. ( not update) | | | UIE |
|  | event-3 | System retrieves the patient's transfusion records. | | | PC |
|  | event- 4 | System displays the transfusion history to the patient. | | | VL |
|  | | | | | |
| **User-4, Goal-3** | **Description of Goal-3:The** **patient finds all nearby blood banks situated in their respective area.** | | | |  |
| Workflow: | event-1 | Patient enters into the blood bank location scene. | | | UIE |
|  | event-2 | Patients will select their respective location. | | | UIE |
|  | event-3 | Patients will click into the view nearby blood banks button. | | | UIE |
|  | event-4 | System retrieves and displays nearby blood banks info to their location. | | | UIE |
|  | | | | | |
| **User-4, Goal-4** | **Description of Goal-4:** **The patient updates their personal information in the system.** | | | |  |
| Workflow: | event-1 | Patients enter into the personal information update scene. | | | UIE |
|  | event-2 | Patient modifies the personal information. | | | UIE |
|  | event-3 | Patients submit the updated information. | | | UIE |
|  | event-4 | System saves the updated personal information. | | | PC |
|  | | | | | |
| **User-4, Goal-5** | **Description of Goal-5:** **The patient provides feedback about their transfusions.** | | | |  |
| Workflow: | event-1 | Patient enters into the feedback scene. | | | UIE |
|  | event-2 | Patient provides feedback about the transfusion experience. | | | UIE |
|  | event-3 | Patients submit the feedback. | | | UIE |
|  | event-4 | System receives & records the feedback. | | | PC |
|  | event-5 | Patients view the feedback response by admin. | | | PC |
|  | | | | | |
| **User-4, Goal-6** | **Description of Goal-6:** **The patient connects with the support services related to blood transfusion.** | | | |  |
| Workflow: | event-1 | Patient accesses the support services scene. | | | UIE |
|  | event-2 | Patients select the desired support service. | | | UIE |
|  | event-3 | Patient connects with the support service through chat, call or email. (System will generate the Support ID automatically) | | | UIE |
|  | | | | | |
| **User-4, Goal-7** | **Description of Goal-7:** **The patient accesses educational resources about blood transfusion and related topics.** | | | |  |
| Workflow: | event-1 | Patient accesses the educational resources scene. | | | UIE |
|  | event-2 | Patient selects a topic to learn more about, such as blood receiving precautions. | | | UIE |
|  | event-3 | Patient views articles, videos, or infographics related to the selected topic. | | | VL |

| **User-4, Goal-8** | **Description of Goal-8:** **The patient share their transfusion story** | | | |  |
| --- | --- | --- | --- | --- | --- |
| Workflow: | event-1 | Patient accesses the transfusion story scene. | | | UIE |
|  | event-2 | System displays a list of other patients' stories. | | | OP |
|  | event-3 | Patient writes their own story and submits it. | | | UIE |
|  | event-4 | System displays a confirmation message for story submission. | | | OP |
|  | event-5 | Patient views their own story along with other patients' stories. | | | UIE |

| **User-5 name:** **Blood Donor** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-5, Goal-1** | **Description of Goal-1:** **My Profile** | | | | event type |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | OP |
|  | event-2 | In that scene will have a form and into the below will have two button (basically this form are given for gather the blood donor all information) | | | OP |
|  | event-3 | Click the form for fill up ( all information are required to complete the form) | | | UIE |
|  | event-4 | Fill up the form by clicking each of the boxes | | | UID |
|  | event-5 | After that click the “create Profile” button | | | UIE |
|  | event-6 | If creating successfully user will get notify using a pop up message screen into that same web page | | | OP |
|  | event-7 | User also able to change profile data in future needed with the same process | | |  |
|  | event-8 | User will be able to go to the previous web pages using a back button | | |  |
|  | | | | | |
| **User-5, Goal-2** | **Description of Goal-2:** **Get Donor Card** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | OP |
|  | event-2 | In this scene will have a form and into the below will have two button | | | OP |
|  | event-3 | This form is about to get the donor card (inside this form will have some text area where blood donor should write his/her information) | | | UID |
|  | event-4 | Click the form and fill up (all information are required) | | | UIE |
|  | event-5 | After this click to the “submit” button (for confirming to get the donor card) | | | UIE |
|  | event-6 | If submitted correctly user will be get notify | | | OP |
|  | event-7 | That notification comes with a pop up message notification | | | OP |
|  | event-8 | User will be able to go to the previous web pages using a back button | | | UIE |
|  | | | | | |
| **User-5, Goal-3** | **Description of Goal-3:** **Schedule an Appointment** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **OP** |
|  | event-2 | In this scene will have a form (this form is about make an schedule) | | | **OP** |
|  | event-3 | Inside this form will have ( some text area for inputting the required information and a date picker) | | | **OP** |
|  | event-4 | Fill up the form(all information are required) After fill up click to the “submit” button | | | **UID** |
|  | event-5 | After fill up click to the “submit” button | | | **UIE** |
|  | event-6 | If it’s submitting the output(schedule information) will show into below in a text area | | | **OP** |
|  | event-7 | User can change the schedule for any emergency (the process will b same) | | | **UID** |
|  | event-8 | User will be able to go to the previous web pages using a back button | | | **UIE** |
|  | | | | | |
| **User-5, Goal-4** | **Description of Goal-4:** **View Blood Donation History** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **…….** |
|  | event-2 | In this scene will have a combobox and a button and a table(where user able to see the data inside this table)and into the below will have a another button | | | **…….** |
|  | event-3 | Click to the combobox and there will have multiple item (those items are represent the years history) | | | **…….** |
|  | event-4 | Select any of it (user cannot select two items in the same time) | | | **…….** |
|  | event-5 | After select click to the “submit” button | | | **…….** |
|  | event-6 | After this the data will shown inside the table | | |  |
|  | event-7 | User also able to change the combobox item and submit again for another data information (the process will be same) | | |  |
|  | event-8 | User will be able to go to the previous web pages using a back button | | |  |
|  | | | | | |
| **User-5, Goal-5** | **Description of Goal-5:** **Check blood Donation Request** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **…….** |
|  | event-2 | In this scene will have some text area (where user will see the request and their requirement ) | | | **…….** |
|  | event-3 | Below to the text are there will be 2 button “accept” or “reject” | | | **…….** |
|  | event-4 | If user select “reject” that text area data will be gone | | | **…….** |
|  | event-5 | If user select “accept” button Then that particular request sender will get notify | | | **…….** |
|  | event-6 | User also get notify using a pop up message into that scene | | |  |
|  | event-7 | User will be able to go to the previous scene using a back button | | |  |
|  | | | | | |
| **User-5, Goal-6** | **Description of Goal-6:** **Blood Donation Process Overview** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **…….** |
|  | event-2 | In that scene are basically work as a guide (about blood donation process) | | | **…….** |
|  | event-3 | In this scene will have a some text area (inside this text area have some information about blood donation) | | | **…….** |
|  | event-4 | Into the below will have some contact details in a text area as well (if they need to know more efficiently or they can submit them arguments) | | | **…….** |
|  | event-5 | User (if they want) they can contact them by clicking | | | **…….** |
|  | event-6 | After this a screen will be pop up (where will have a text area where user should right their arguments) and click to the submit button | | |  |
|  | event-7 | User will get notify after submitting | | |  |
|  | event-8 | User will be able to go to the previous scenes using a back button | | |  |
|  | | | | | |
| **User-5, Goal-7** | **Description of Goal-7:** **Health Assessment** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **…….** |
|  | event-2 | This scene are basically work as a guide (about Health assessment) | | | **…….** |
|  | event-3 | There will have some text area (where user can read some information about health care especially after blood donate what need to be eat to improve his/her health) | | | **…….** |
|  | event-4 | Into the below will have a form (this form are basically user for user if want to know about anything extra about health care then they need to fill up ) | | | **…….** |
|  | event-5 | Click the form for fill up | | | **…….** |
|  | event-6 | After fill up click to the submit button | | |  |
|  | event-7 | If submitted user will get notification by using a pop up screen | | |  |
|  | event-8 | User will be able to go to the previous scene using a back button | | |  |
|  | | | | | |
| **User-5, Goal-8** | **Description of Goal-8:** **Learn about blood donation rules and regulation** | | | |  |
| Workflow: | event-1 | After entering this a new scene will be loaded | | | **…….** |
|  | event-2 | This scene are basically work as a guide (about blood donation rules & regulation) | | | **…….** |
|  | event-3 | In this scene will have some text area ( this text area have basically information of blood donation rules & regulation) | | | **…….** |
|  | event-4 | Into the below will have a form (this form are basically user for user if want to know about anything extra about blood donation then they need to fill up ) | | | **…….** |
|  | event-5 | Click the form for fill up | | | **…….** |
|  | event-6 | After fill up click to the submit button | | |  |
|  | event-7 | If submitted user will get notification by using a pop up screen | | |  |
|  | event-8 | User will be able to go to the previous scene using a back button | | |  |

| **User-6 name:** **Blood Collector** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-6, Goal-1** | **Description of Goal-1:** **Schedule Blood Collection** | | | | event type |
| Workflow: | event-1 | Blood collector accesses the blood collection scheduling interface. | | | **…….** |
|  | event-2 | Blood collector selects the date, time, and location for blood | | | **…….** |
|  | event-3 | Blood collector confirms the appointment. | | | **…….** |
|  | event-4 | System records the scheduled blood collection appointment. | | | **…….** |
|  | | | | | |
| **User-6, Goal-2** | **Description of Goal-2:** **Manage Donor Information** | | | |  |
| Workflow: | event-1 | Blood collector accesses the donor information management section. | | | **…….** |
|  | event-2 | Blood collector enters or updates donor details (name, contact information, medical history, etc.). | | | **…….** |
|  | event-3 | Blood collector saves the donor information. | | | **…….** |
|  | event-4 | System updates the donor information in the database. | | | **…….** |
|  | | | | | |
| **User-6, Goal-3** | **Description of Goal-3:** **Ensure Donor Safety** | | | |  |
| Workflow: | event-1 | Blood collectors follow proper infection control protocols. | | | **…….** |
|  | event-2 | Blood collectors monitor donor reactions and provide necessary assistance. | | | **…….** |
|  | event-3 | Blood collectors address any potential adverse events or complications. | | | **…….** |
|  | | | | | |
| **User-6, Goal-4** | **Description of Goal-4:**  **Track Donor Eligibility** | | | |  |
| Workflow: | event-1 | Blood collector accesses the donor | | | **…….** |
|  | event-2 | Blood collectors select a donor to review their eligibility status. | | | **…….** |
|  | event-3 | Blood collector updates the eligibility status based on screening results. | | | **…….** |
|  | event-4 | System records the updated donor eligibility status. | | | **…….** |
|  | | | | | |
| **User-6, Goal-5** | **Description of Goal-5: Monitor Blood Supply and Demand** | | | |  |
| Workflow: | event-1 | Blood collector accesses the blood supply and demand monitoring section. | | | **…….** |
|  | event-2 | Blood collectors review the current blood supply and demand data. | | | **…….** |
|  | event-3 | Blood collectors generate reports on blood supply and demand statistics. | | | **…….** |
|  | | | | | |
| **User-6, Goal-6** | **Description of Goal-6:** **The blood collector coordinates with hospitals and medical facilities for blood transfusion needs** | | | |  |
| Workflow: | event-1 | blood collector communication with Hospital staff regarding blood transfusion requirements | | | **UIE** |
|  | event-2 | Blood collector Avengers for the delivery of blood units to the hospitals | | | **UIE** |
|  | event-3 | blood collector provides necessary documentation to hospitals for blood transfusion tracking | | | **UIE** |
|  | | | | | |
| **User-6, Goal-7** | **Description of Goal-7:** **The blood collector ensures proper maintenance of equipment and supplies used in blood collection** | | | |  |
| Workflow: | event-1 | blood collector performs routine maintenance checks on collection equipment | | | **UIE** |
|  | event-2 | blood collector restox necessary supplies for blood collection | | | **UIE** |
|  | event-3 | blood collector coordinates repair or replacements for faulty equipment | | | **UIE** |
|  | | | | | |
| **User-6, Goal-8** | **Description of Goal-8:** **Participate in Training and Development Programs** | | | |  |
| Workflow: | event-1 | Blood collector identifies relevant training and development programs. | | | **UIE** |

| **User-7 name:** **General Public** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-7, Goal-1** | **Description of Goal-1:** **Blood Donation Registration** | | | | event type |
| Workflow: | event-1 | Click on registration site | | | OP |
|  | event-2 | Provide name and contact | | | UIE |
|  | event-3 | provide blood type | | | UIE |
|  | event-4 | check availability for donations | | | VR |
|  | | | | | |
| **User-7, Goal-2** | **Description of Goal-2:** **Blood Donation Request** | | | |  |
| Workflow: | event-1 | click to view donation request | | | OP |
|  | event-2 | click to view what type of blood need | | | OP |
|  | event-3 | click to view hospital location | | | OP |
|  | … | click to view contact information | | | OP |
|  | | | | | |
| **User-7, Goal-3** | **Description of Goal-3:** **Volunteer Opportunities** | | | |  |
| Workflow: | event-1 | click on volunteer need option button | | | OP |
|  | event-2 | Check availability of a volunteer | | | VR |
|  | event-3 | provide necessary information to apply as a volunteer | | | UID |
|  | event-4 | Click on to submit button | | | VR |
|  | | | | | |
| **User-7, Goal-4** | **Description of Goal-4: Training and Awareness** | | | |  |
| Workflow: | event-1 | Click on view online training button | | | OP |
|  | event-2 | Click on view health-related topics button | | | OP |
|  | event-3 | Click on view how to respond effectively on emergency button | | | OP |
|  | | | | | |
| **User-7, Goal-5** | **Description of Goal-5:** **Donation Tracking** | | | |  |
| Workflow: | event-1 | Click on view blood donation tracking button | | | OP |
|  | event-2 | Click on view location and institution name button | | | OP |
|  | event-3 | Click on view their record and impact of donation blood button | | | OP |
|  | | | | | |
| **User-7, Goal-6** | **Description of Goal-6:** **Emergency Response Updates** | | | |  |
| Workflow: | event-1 | Click on Receive real-time updates and alerts during emergencies button | | | OP |
|  | event-2 | Click on view about any ongoing disaster situations | | | OP |
|  | event-3 | Users can tell ways to contribute or seek assistance | | | UID |
|  | | | | | |
| **User-7, Goal-7** | **Description of Goal-7:** **Community Events and Programs** | | | |  |
| Workflow: | event-1 | Click on view about any ongoing any events, workshops and health camps | | | OP |
|  | event-2 | Share information about upcoming events, workshops, health camps | | | UID |
|  | event-3 | Share community programs organized by the Bangladesh Red Crescent Society | | | UID |
|  | | | | | |
| **User-7, Goal-8** | **Description of Goal-8:** **Feedback and Support** | | | |  |
| Workflow: | event-1 | Users can provide any kind of report and issues | | | UID |
|  | event-2 | Users can provide feedback, suggestions | | | UID |

| **User-8 name:** **Partner Organization** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **User-8, Goal-1** | **Description of Goal-1:** **Resource Sharing** | | | | event type |
| Workflow: | event-1 | Check medical supplies if needed to the red crescent society | | | VR |
|  | event-2 | Check medical equipment if needed to the red crescent society | | | VR |
|  | event-3 | Check logistical support to enhance the overall response capabilities during emergencies or health-related initiatives. | | | VR |
|  | | | | | |
| **User-8, Goal-2** | **Description of Goal-2:** **Volunteer Management** | | | |  |
| Workflow: | event-1 | Provide partner organizations with a module to manage their volunteers and streamline the process of assigning tasks | | | DP, OP |
|  | event-2 | Check tracking availability | | | VR |
|  | | | | | |
| **User-8, Goal-3** | **Description of Goal-3:** **Data Exchange and Integration** | | | |  |
| Workflow: | event-1 | Check up-to-date information sharing | | | VR |
|  | event-2 | View all unread information and data | | | OP |
|  | | | | | |
| **User-8, Goal-4** | **Description of Goal-4:** **Joint Program Planning and Implementation** | | | |  |
| Workflow: | event-1 | display and load collaborative program planning and implementation | | | DP, OP |
|  | event-2 | Click button to view program planning | | | OP |
|  | | | | | |
| **User-8, Goal-5** | **Description of Goal-5:** **Training and Capacity Building** | | | |  |
| Workflow: | event-1 | Offer partner organizations access to training resources and capacity-building modules | | | UID, OP |
|  | event-2 | Click to view what important things to need for events | | | OP |
|  | | | | | |
| **User-8, Goal-6** | **Description of Goal-6:** **Reporting and Monitoring** | | | |  |
| Workflow: | event-1 | Provide partner organizations with reporting tools and mechanisms to track their activities, achievements, and impact | | | UID |
|  | event-2 | aligning with the monitoring and evaluation frameworks of the Bangladesh Red Crescent Society | | | OP |
|  | event-3 | Provide feedback about reporting and monitoring | | | UID |
|  | | | | | |
| **User-8, Goal-7** | **Description of Goal-7: Recognition and Partnership**  **Visibility** | | | |  |
| Workflow: | event-1 | The contributions of partner organizations through public acknowledgment, branding opportunities, and partnership visibility | | | OP |
|  | event-2 | The partner organizations can see the progress of their contribution of R.C | | | OP |
|  | event-3 | The partner organizations can see the upcoming events | | | OP |
|  | … | The partner organizations can provide their feedback during collaboration | | | UID |