

## 3.1

### 3.1.1 Database (Hip)

3.1.1.1 Authentication Table. This function will provide credential verification for users.

1. Must allow Admin users to display table.
2. Must allow Admin users to edit table.
3. Must allow Admin users to delete entries.
4. Must store login credentials.

3.1.1.2 User Table. This function will provide data storage for user information.

1. Must store First name, last name, and username.
2. Must allow Admin to display table.
3. Must allow Admin to edit table.
4. Must allow Admin to delete entries.
5. Must allow UI during registration to add to table.

3.1.1.3 Chat Table. This function will provide storage of chat history.

1. Must allow chat history to be saved from UI and sent to table.
2. Must allow recall of chat history to display in UI.
3. Must store chat histories.

3.1.1.4 Event Table

1. Must allow UI to send data to table.
2. Must allow UI to display data from table.
3. Must store events with start and end dates.
4. Must allow Staff to add to table.
5. Must allow Staff to display table.
6. Must allow Staff to edit table.

3.1.1.5 Game Link Table

1. Must allow Staff to add to table.
2. Must allow Staff to display table.
3. Must allow Staff to edit table.
4. Must allow UI to send data to table.
5. Must allow UI to display data from table.
6. Must store game links.

3.1.1.6 Movie Link Table

1. Must allow Staff to add to table.
2. Must allow Staff to display table.
3. Must allow Staff to edit table.
4. Must allow UI to send data to table.
5. Must allow UI to display data from table.
6. Must store movie links.

### 3.1.2 Login (Megan)

#### 3.1.2.1 Password Reset.

Roc Family users shall be able to reset password from login page. The following functional requirement shall be provided:

1. Request new password link
2. Answer challenge questions
3. Input new password

#### 3.1.2.2 Account verification

Roc Family users and administrators shall be able to log onto the Roc Family website by inputting their username and password on the login page.

1. Input Password
2. Input Username

### 3.1.3 Notifications(Chris)

#### 3.1.2.1 Chat notification

Roc Family users will receive a notification when a message is sent to them.

#### 3.1.2.2 Broken Link

Roc Family Admin will receive a notification of a link is no longer working.

### 3.1.4 Administrator(Matthew)

3.1.4.1 Administrator Games Management Function. Upon successful login, the administrator will be presented with multiple options to edit information pertaining to games that are accessible to the website. The administrator will then select which games function that they wish to interact with.

1. The system shall allow an administrator to view game details pertaining to the game's name and specific event information regarding details about the game.
2. The system shall allow an administrator to add a game
  - a. Ability to add the game name
  - b. Ability to add game information
3. The system shall allow an administrator to edit game information
  - a. Ability to edit the game name
  - b. Ability to edit information about the game
4. The system shall allow an administrator to delete a game

3.1.4.2 Administrator Movies Management Function. Upon successful login, the administrator will be presented with multiple options to edit information pertaining to movies that are accessible to the website. The administrator will then select which movies function that they wish to interact with.

1. The system shall allow an administrator to view movie details pertaining to the movie's name and specific event information regarding details about the movie.
2. The system shall allow an administrator to add a movie
  - a. Ability to add the movie name
  - b. Ability to add movie information
3. The system shall allow an administrator to edit movie information
  - a. Ability to edit the movie name
  - b. Ability to edit information about the movie
4. The system shall allow an administrator to delete a movie

3.1.4.3 Administrator Deal Management Function. Upon successful login, the administrator will be presented with multiple options to edit information pertaining to local deals (coupons or discounts) in the area. The administrator will then select which deal function that they wish to interact with.

1. The system shall allow an administrator to view a deal details pertaining to the deals name, dates, and specific deal information regarding details about the deal.
2. The system shall allow an administrator to add a deal
  - a. Ability to add the deal name
  - b. Ability to add deal information
  - c. Ability to add the start and end dates of the deal
3. The system shall allow an administrator to edit a deal
  - a. Ability to edit the deal name
  - b. Ability to edit deal information
  - c. Ability to edit the start and end dates of the deal
4. The system shall allow an administrator to delete a deal

3.1.4.4 Administrator Event Management Function. Upon successful login, the administrator will be presented with multiple options to edit information pertaining to local events in the area. The administrator will then select which event function that they wish to interact with.

1. The system shall allow an administrator to view an event details pertaining to the events name, dates, and specific event information regarding details about the event.
2. The system shall allow an administrator to add an event
  - a. Ability to add the event name
  - b. Ability to add event information
  - c. Ability to add the start and end dates of the event
3. The system shall allow an administrator to edit an event
  - a. Ability to edit the event name
  - b. Ability to edit event information
  - c. Ability to edit the start and end dates of the event
4. The system shall allow an administrator to delete an event

3.1.4.5 Administrator Users Management Function. Upon successful login, the administrator will be presented with multiple options to edit information pertaining to

Rocfamily users. The administrator will then select which user function that they wish to interact with.

1. The system shall allow an administrator to view user details pertaining to the user's name and information regarding details about the user.
2. The system shall allow an administrator to add a user
  - a. Ability to add the users name
  - b. Ability to add user information
3. The system shall allow an administrator to edit a user
  - a. Ability to edit the user's name
  - b. Ability to edit user's information
4. The system shall allow an administrator to delete a user
5. The system shall allow an administrator to search for user

### 3.1.5 Family (Megan)

#### 3.1.5.1

Change account information. Roc Family users shall be able to edit account information once logged onto their personal account. The following functional requirement shall be provided:

1. Edit profile information
  - a. Username
  - b. Phone number
  - c. Home address
  - d. Hospital name
  - e. Password

### 3.1.6 Testing(Christopher)

#### 3.1.6.1 Creating test user database

A database will be created with fake data for testing.

#### 3.1.6.1 Deleting test user database

After testing is finished the database will be deleted.

### 3.1.7 Chat(Megan)

#### 3.1.7.1 Chat box

Roc Family users and administrators shall be able to send messages and view history via chat box on their personal accounts. The following functional requirements shall be provided:

1. Chat window to send messages
2. Message history

### 3.1.8 Graphical User Interface (GUI).

RocFamily will provide a user-friendly interface for the family profile and administrator profile. The following functional requirements shall be provided:

#### 3.1.8.1 Login Page.

RocFamily will provide an easy-to-use login page for the family profile and administrator profile. The login page will allow families and Roc Solid Foundation administrators access login access by prompting the users for their username and password. A forgot password button will also be available in case the family or Roc Solid Foundation administrator needs to regain access to their account.

#### 3.1.8.1.1 Family Profile.

RocFamily will have a Family Profile for pediatric cancer patients and their families. This profile will allow the pediatric cancer patients and their families access to a live chat, deals, events, games for kids, and movies. The profile will also allow pediatric cancer patients and their families access to their profile information and conversation records.

##### 3.1.8.1.1.1 View Chat.

The Family Profile will have a live chat to interact with Roc Solid Foundation.

##### 3.1.8.1.1.2 View Deals.

The Family Profile will have an area to view deals specific to the family's location.

##### 3.1.8.1.1.3 View Events.

The Family Profile will have an area to view events specific to the family's location.

##### 3.1.8.1.1.4 View Games.

The Family Profile will have an area to view games for children.

##### 3.1.8.1.1.5 View Movies.

The Family profile will have an area to view movies.

##### 3.1.8.1.1.6 View Profile Information.

The Family Profile will have an area to view their account, and edit, their account information.

##### 3.1.8.1.1.7 View Conversation Records.

The Family Profile will allow families to view their conversation records.

#### 3.1.8.1.2 Administrator Profile.

RocFamily will have an Administrator Profile for Roc Solid Foundation. This profile will allow the administrators access to a live chat, deals, events, games for kids, and movies. The profile will also allow pediatric cancer patients and their families access to their profile information and conversation records.

##### 3.1.8.1.2.1 View Chat.

The Administrator Profile will have a live chat to interact with pediatric cancer patients and their families.

##### 3.1.8.1.2.2 View Deals.

The Administrator Profile will have an area to view, and edit, deals specific to the family's location.

##### 3.1.8.1.2.3 View Events.

The Administrator Profile will have an area to view, and edit, events specific to the family's location.

#### 3.1.8.1.2.4 View Games.

The Administrator Profile will have an area to view, and edit, games for children.

#### 3.1.8.1.2.5 View Movies.

The Administrator profile will have an area to view, and edit, movies.

#### 3.1.8.1.2.6 View Profile Information.

The Administrator Profile will have an area to view their account, and edit, their account information.

#### 3.1.8.1.2.7 View Conversation Records.

The Administrator Profile will allow administrators to view their conversation records.

#### 3.1.8.1.2.8 View Family Accounts.

The Administrator Profile will allow administrators to view pediatric cancer patients and their families pertinent information.