**Requirement 3.1.1: User Account**

Requirement 3.1.1.1: The system shall provide the capability for the user to register a new account.

1. The application must verify military service with IDme.
2. Following verification, the application must be able to register the new user
3. The user must agree to the terms and conditions provided to complete registration.
4. Username, email, and password entries must be verified to be of proper form prior to database submission.

(O: Jackson, M1: Reed)

Requirement 3.1.1.2: User Account page

1. The user shall be able to change the email address associated with the account.
2. The user shall be able to change the password associated with the account.
3. The user account page shall display a user icon.
4. The user shall be able to view the user’s own post history.
5. The page shall display a button to retake the assessment.

(O: Jackson)

Requirement 3.1.1.3: Registering to the application:

* Access to new user account creation must be available on the login screen.
  + The application must verify military service with IDme.
  + Following verification, the application must be able to register the new user
* Fields for typing in user information including create login and password must be available.
* Terms and conditions must be available and the user must agree to them.
* Sign up button must be enabled soon (immediately after?) as all register information has been completed correctly.
* Password must be hashed prior to database storage

(O: Feliciano, M1: Reed)

**Requirement 3.1.2: Moderation**

Requirement 3.1.2.1: Provide the capability for the user to report inappropriate posts or messages

1. The user shall be able to report another user for an inappropriate post or private message.

(O: Jackson)

Requirement 3.1.2.3: Messages that are flagged as offensive shall be hidden from public view.

1. The flagged message must be reviewed by a moderator to determine if the post contains inappropriate content.
2. The flagged message will be marked as needing review to both the user that wrote it and the moderators.
3. The flag will be dropped if the message is found to be appropriate.
4. The message will be removed from the forum if it is deemed inappropriate by the moderator.

(O: Phillmon, M1: Jackson, M2: Argenbright)

Requirement 3.1.2.4: A moderator must be able to review the details on reported messages. The following functional requirements must be met:

1. The moderator must be able to view the reported message.
2. The moderator must be able to view who reported the reported message.
3. The moderator must be able to view who wrote the reported message.
4. The moderator must be able to view the current status of the reported message.
5. The moderator must be able to view additional information provided by the reporter.

(O: Littlefield)

Requirement 3.1.2.5: Provide the capability to automatically moderate the discussion forums and detect inappropriate language.

1. This component shall be pre-trained for toxicity detection.
2. This component shall detect inappropriate or abusive language.
3. shall be implemented client-side within the web browser
4. Posts or messages flagged by the auto-moderation shall be subject to further review by a moderator.
5. The machine model shall be retrained in the event it is not effective.

(O: Jackson)

**Requirement 3.1.3: Chat**

Requirement 3.1.3.1: The live chat webpage shall be available to users for the assigned group during scheduled times through a "Join Chat" button and shall meet the following requirements:

1. The chat shall display the username, date in MM/DD/YYYY format and timestamp in HH:MM:SS format associated with each chat message.
2. Provide the capability to type messages in a text input field.
3. Provide the capability to submit messages
4. Display the usernames and icons of members and moderator(s) present in the chat session.

(O: Jackson)

// The chat messages are to be permanently deleted upon the end of the timed chat session. A “join chat” icon will appear when it is time for a scheduled chat session for that group.

Requirement

3.1.3.2 A new community group is automatically created to maintain group size by:

1. When a group exceeds 12 members, a new group is created but not populated
2. A moderator, who may moderate another group, is assigned to the new group
3. When a group exceeds 16 members, the last 5 members are moved to the new group.
4. Moderators do not count toward the user count.

(O: Reed)

Requirement 3.1.3.3. A community group is automatically merged with another group by:

1. Users with 60 days of inactivity are removed from the assigned group
2. A group with fewer than 5 active users are merged with another available group of the same mental health condition. A group is defined to be available if the resultant group does not exceed 16 members.
3. If there is no available group to be merged with, the merge is canceled.
4. Moderators do not count toward the user count.
5. The moderator who moderates the fewest groups becomes the moderator. If the moderators moderate the same amount, either moderator is assigned.

(O: Reed)

Requirement 3.1.3.4: Individual discussion posts shall display the following:

1. Username of user who created the message
2. Date submitted in MM/DD/YYYY format
3. Time submitted in HH:MM format
4. Message posted by the user
5. Report button

(O: Jackson)

Requirement 3.1.2.2: The discussion forum main page shall display the following:

1. The subforums within the main discussion forum.
2. A title for each message
3. The username associated with last post made
4. Total number of posts within a subforum
5. Total number of replies within a subforum

(O: Jackson)

Requirement 3.1.3.5: Users must be able to post reply messages to discussion posts

1. Discussion posts will display a reply button which allows users to enter text
2. Reply posts will display indented under the respective parent post
3. All users of a group will be able to reply to a discussion post and each others' replies

(O: Lapira)

**Requirement 3.1.4: Assessments**

Requirement 3.1.4.1: A user must be able to retake the assessment

1. The user account page shall display a retake assessment button
2. The user shall be prompted to retake after two weeks have lapsed between assessments.

(O: Jackson)

Requirement 3.1.4.2: Provide the user with an assessment that calculates a score for their answers and places them based on results. The following functional requirements must be met:

1. Assessment questions will be sourced from professional psychiatric resources.
2. Assessment must be available to retake for logged-in users.
3. Assessment will be provided during initial registration for first group placement.
4. Assessment retake must be visibly available on user settings.
5. Assessment will be offered to users who have not retaken it after a set period.
6. The assessment results shall be calculated based on the score thresholds of the resource.

(O: Lapira)

**Requirement 3.1.5: Other Functional Requirements**

Requirement 3.1.5.1: Every user regardless of account status must be able to use the SAMHSA locator.

1. Access to the location tool must be available on the login screen.
2. Access to the location tool must be available in the menu of a logged in user.
3. Access to the tool must not be revoked if a user is suspended or banned.

(O: Argenbright)

Requirement 3.1.5.2: The system must validate and sanitize all user input to ensure it does not contain any of the following:

1. HTML markup
2. SQL expressions

(O: Phillmon)

Requirement 3.1.5.3: Users will be able to navigate the application's main pages through a menu directory.

1. All users will be able to reach the SAMHSA locator and Registration page.
2. Account-holders will be additionally able to access their user settings and groups pages.
3. Non-account holders will be redirected to Registration when clicking pages that require accounts.

(O: Lapira)