Assignment 2: Software Requirements Specification

Team: Quorum Team

Project Title: Quorum

Members:
1. Ahmed Shulaiba
2. Francis Buggia
3. Kareem Elmarakby
4. Khalid Awad
5. Wameed Miriako

Meetings date	Participants
09/22/2020	Ahmed, Francis, Kareem, Khalid, Wameed
09/23/2020	Ahmed, Francis, Kareem, Khalid, Wameed

Stakeholders	Requirements
Site-wide Admins, Forum Moderator, Members	FR1: Forum Page Creation FR2: Posting threads FR3: Private messaging FR4: Multi-media posts FR5: Reply to threads FR6: Rate posts FR7: Quote posts FR8: Profile Page FR9: Following other users FR10: Post status updates FR11: Feed FR12: Repost status updates

Site-wide Admins, Forum Moderator	FR13: Moderate forum
Site-wide Admins	FR14: Moderate site
Quorum Engineers, Site-wide Admins, Forum Moderator, Members	NF1: Modernized UX NF2: User account security NF3: Responsiveness NF4: Page will update itself NF5: User Authorization
Non-registered Users, Members	FR15: Sign-in/Sign-up landing page

FR1. Forum Page Creation

Goal: The application will allow a user to create a forum page
Stakeholders: Site-wide Admins, Forum Moderator, Members
Users will be able to create forums and admin them. They can create a title, description, sections, and sub-sections. They are also allowed to assign members of the website as moderators for their forum.
Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2020	Priority: 2

FR2. Post Threads
Goal: The application will allow a user post threads within sections of forums.
Stakeholders: Site-wide Admins, Forum Moderator, Members
Users will be able to post threads. Threads have a topic with a limited number of characters, and a description with a much larger number allowing the user to detail what they are discussing.
Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2020	Priority: 2

FR3. Private Messaging
Goal: The application will allow users to send private messages to other users.
Stakeholders: Site-wide Admins, Forum Moderator, Members
Users will be able to speak directly and privately with other users. A user will be able to initiate a private conversation by visiting the profile of the user they wish to speak with. This conversation will only be allowed if the receiving user has a public account or a private account but given permission to the sender. All private conversations will be saved and accessible by the users who participated.
Origin: Idea was based on project proposal, team members came up with idea during first team meeting

Version: 1.0	Date: 09/23/2020	Priority: 3

FR4. Multi-media posts
Goal: The application will allow users to post different file formats and display media in threads.
Stakeholders: Site-wide Admins, Forum Moderator, Members
Users will be able to post MP4, JPG, and PNG files in a forum post. Other users will be able to view that media in its native format in the browser itself (i.e. a video can be played straight from the comment).
Origin: Idea based on project proposal, team members came up with idea during first team meeting

Version: 1.0	Date: 9/23/2020	Priority: 3

FR5. Reply to threads
Goal: The application will allow a user to reply to a thread
Stakeholders: Site-wide Admins, Forum Moderator, Members
Users will be able to reply to threads. Replies to threads are in the same format as the thread description.
Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2020	Priority: 2

FR6. Rating Posts
Goal: The application will allow users to rate posts by either upvoting or downvoting the post.
Stakeholders: Site-wide Admins, Forum Moderator, Members
Each user will be able to rate a post on a forum or a status update. Other users will be able to view the ratings but not see who rated it. Only the original poster will be able to see who upvoted or downvoted their status or forum.
Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2019	Priority: 4

FR7. Quote Posts

Goal: Let users quote/reference other posts to give context to their reply

Stakeholders: Site-wide Admins, Forum Moderator, Members

Users will be able to input a quote which will show what another user said as well as which user said it. Quote posts can quote other quote posts

Origin: Idea based on project proposal, team members came up with idea during second team meeting

Version: 1.0	Date: 09/23/2020	Priority: 4

FR8. Profile Page

Goal: Each user will have a profile page that is meant for other users to look at and access.

Stakeholders: Site-wide Admins, Forum Moderator, Members

Every user will have a profile page. This profile page will display personal information of the users choosing. This page will also display any personal posts of the users as well as information on what forums this user is a member of. Public profiles can be viewed by any user whereas private profiles would require permission to view.

Origin: Idea based on project proposal, team members came up with idea during first team meeting		
Version: 1.0	Date: 9/23/2020	Priority: 3

FR9. Following other users		
Goal: Each user will be able to follow other users.		
Stakeholders: Site-wide Admins, Forum Moderator, Members		
Every user will be able to follow another user from that user's profile page. Once a user is followed, their posts will show up in the feed of whoever followed them. A user can unfollow later on by clicking the same button (button toggles between following and not).		
Origin: Idea based on project proposal, team members came up with idea during first team meeting		
Version: 1.0	Date: 9/23/2020	Priority: 3

FR10. Post Status Updates		
Goal: Users will be able to post a short status update independent of a forum.		
Stakeholders: Site-wide Admins, Forum Moderator, Members		

A user will be able to post a quick status update where it will be limited to less than 500 characters. Other users will be able to rate the post and interact with it by commenting. Unlike a forum these are generally shorter conversations.

Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2020	Priority: 3

FR11. User Feed

Goal: Users will have a personalized feed of the people that they have followed

Stakeholders: Site-wide Admins, Forum Moderator, Members

Users will have a personalized feed of the people that they have followed. It will show recent activity of the members who the user has followed will show in their feed. This will be the home page once they have signed in. The user can click on the feed to expand a preview of the recent comments or click the thread to view the full thread.

Origin: Idea based on project proposal, team members came up with idea during first team meeting.

Version: 1.0	Date: 09/23/2020	Priority: 3

FR12. Repost Status Updates

Goal: Users will be able to repost status updates of other users or themselves

Stakeholders: Site-wide Admins, Forum Moderator, Members

Users will be able to repost status updates of users who are not private. This will also allow users to repost their own status updates even if they are private.

Origin: Idea based on project proposal, team members came up with idea during first team meeting

Version: 1.0	Date: 09/23/2020	Priority: 4

FR13. Moderate Forum

Goal: Each forum will have at least one moderator to help keep behavior respectful and to manage posts and replies.

Stakeholders: Site-wide Admins, Forum Moderator

Each forum will have at least one moderator to manage it. The creator of each forum is the original moderator but can add more. Forums can have threads or replies removed. Threads as well as the entire forum can be locked. Users can be kicked and banned from a specific forum, and forums can be made private so as to need an invitation to be a part of it. Site-wide admins have forum moderator powers but for any and all forums.

Origin: Idea based on project proposal, team members came up with idea during second team meeting, reshaped original idea from proposal.

Version: 1.0	Date: 9/23/2020	Priority: 4

FR14. Moderate Site

Goal: Admins will have all the privileges of moderators and will also be able to demote moderators.

Stakeholders: Site-wide Admins

Admins will have the highest access across the website. They will be able to remove threads and comments as well as ban users and moderators, and they can also demote moderators into users.

Origin: Idea based on project proposal, team members came up with idea during second team meeting, reshaped original idea from proposal.

Version: 1.0	Date: 9/23/2020	Priority: 4

FR15. Sign-in/Sign-up Landing Page

Goal: Users will be able to log in if they have account information or be able to create new account if they do not have existing account

Stakeholders: Non-Registered Users, Members

Users will see a page where they can input log in information. If log in information is correct they will log in as that user. They will also be able to create new accounts if they do not have an account or forgot their account information.

Origin: Idea based on project proposal, team members came up with idea during second team meeting

Version: 1.0	Date: 09/23/2020	Priority: 1

NF1. Modernized UX
Goal: The site will be easily navigable and user friendly
Stakeholders: Quorum Engineers, Site-wide Admins, Forum Moderator, Members
Site will be easy to follow and have modernized design. Users should be able to navigate site easily and not get confused.
Origin: Idea based on project proposal, team members came up with idea during first team meeting

Version: 1.0	Date: 09/23/2020	Priority: 5

NF2. User account security
Goal: The application will ensure that user data will be protected.
Stakeholders: Quorum Engineers, Site-wide Admins, Forum Moderator, Members
Nobody besides the system engineers will be able to view or access a user's name and password. No other user will be able to get control of another user's profile without the proper credentials.
Origin: Idea thought of by team members during the second team meeting.

Version: 1.0	Date: 9/23/2020	Priority: 1

NF3. Responsiveness
Goal: The application will handle actions in a timely manner, less than 4 seconds.
Stakeholders: Quorum Engineers, Site-wide Admins, Forum Moderator, Members
The overall amount of time spent waiting on the product by the customer will be kept as low as possible. Entering the site via URL, clicking on links to different parts of the site, posting replies, posting status updates, sending messages are actions on this product that will be kept responsive. being responsive will be defined as being faster than 4 seconds of response time.
Origin: Idea thought of by team members during the second team meeting.

Version: 1.0	Date: 9/23/2020	Priority: 5

NF4. Page will update itself
Goal: The application will automatically refresh with each new thread or reply posted.
Stakeholders: Quorum Engineers, Site-wide Admins, Forum Moderator, Members
Page will update itself automatically, dismissing the need of the user to refresh whenever they need to update the page. This is so that discussion is organized, avoiding confusion for users when they go to reply or post a new thread.

Origin: Idea thought of by team members during the second team meeting.		
Version: 1	Date: 9/23/2020	Priority: 5

NF5. User Authorization		
Goal: Users will only be able to view what they have been authorized to.		
Stakeholders: Quorum Engineers, Site-wide Admins, Forum Moderator, Members		
Users will only be able to view forums that are public and can only be invited to private forums. Forum Moderators and members will not be able to go to the admin page. If the user profile is private, only they will be able to view their page.		
Origin: Idea thought of by team members during the second team meeting.		
Version: 1	Date: 9/23/2020	Priority: 1