Assignment 2: Software Requirements Specification

Team: Quorum Team

Project Title: Quorum

## Members:

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

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |

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| **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 |