**Requirements Document**

GENERAL PROJECT INFORMATION

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| PROJECT NAME | | | | PRODUCT OWNER |
| Stack Overflow Lite | | | | Luana Strimbeanu |
| EMAIL | |
| Luanadiana00@yahoo.com | |
| EXPECTED START DATE | EXPECTED COMPLETION DATE | |
| 1 oct. 2024 | 15 feb. 2025 | |

PROJECT OVERVIEW

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| PURPOSE  OF PROJECT | The purpose of this project is to create a web application for a forum where users can post questions and answers to these questions. |
| BUSINESS  CASE | The business case for StackOverflowLite is to offer a streamlined, community-driven platform for technical question-and-answer interactions |
| GOALS / METRICS | The project aims to create a simplified, user-friendly Q&A platform tailored for specific communities. A space for targeted, niche discussions without the clutter of unrelated content. Enhanced control over moderation and content management for organizations. |
| EXPECTED DELIVERABLES | A fully functional Q&A platform with user registration, question posting, answering, and voting capabilities with features for user authentication, authorization, and role-based permissions and administrator tools for content moderation, post deletion, and user management. |

PROJECT SCOPE

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| WITHIN  SCOPE | * **Core Q&A Functionality**: Users can post, edit, delete questions and answers, and vote on posts. * **User Management**: User registration, authentication, and role-based permissions. * **Content Moderation**: Administrator tools for post and user management. * **Notifications**: Alerts for watched questions or updates. |
| OUTSIDE  OF SCOPE | * user reputation scoring * mobile application, compatibility with mobile web browsers |

TENTATIVE SCHEDULE

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| **KEY MILESTONE** | **START** | **FINISH** |
| Form Project Team / Preliminary Review / Scope | 1 oct. 2024 | 1 nov. 2024 |
| Finalize Project Plan / Charter / Kick Off | 1 oct. 2024 | 1 nov. 2024 |
| Implement 1/3 of the functionality | 1 nov. 2024 | 1 dec. 2024 |
| Implement 2/3 of the functionality | 1 dec. 2024 | 22 dec. 2024 |
| Entire project finalized | 22 dec. 2024 | 15 feb. 2025 |

RESOURCES

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| PROJECT TEAM | Luana Stimbeanu, Malina Aciu, Radu Mocanu |
| SUPPORT RESOURCES | Course support |

Project Description

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| **Functionality** | **Details** | |
| **User Management** | * **Registration**: Users must be able to create an account. * **Authentication**: Ensure secure login/logout functionality. * **Permissions**: Distinguish permissions for regular users and administrators. | |
| **Question and Answer Functionality** | * **Post Questions**: Users can create and delete questions. * **Respond**: Users should be able to post answers to questions. * **Edit & Delete**: Users can edit/delete their own posts; administrators can delete any post. * **Voting**: Users can upvote or downvote questions and answers. * **Filter**: Users should filter questions by tags or categories. | |
| **Notifications and Alerts** | * **Watching Questions**: Users can opt-in to receive notifications when a question they watch receives answers. * **Post Status Updates**: Notifications for post acceptance or rejection. | |
| **Content Moderation** | * **Community Guidelines**: Ensure that content posted adheres to community guidelines. * **Administrative Moderation**: Administrators can remove posts. | |
| **User Experience** | * **Design**: Application should be visually appealing and user-friendly. * **Navigation**: Users should experience seamless navigation. | |
| **System Reliability** | * **Availability**: Ensure uptime so the application is accessible at all times. * **Security**: Application must implement security best practices. | |
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User Stories:

1. **As a User, I want to be able to post questions, so that I can seek solutions from the community.**
2. **As a User, I want to be able to respond to questions, so that I can share knowledge and help others.**
3. **As a User, I want to be able to upvote and downvote questions, so that the best solutions are highlighted.**
4. **As a User, I want to be able to filter questions, so that I can get results more relevant to me.**
5. **As an Administrator, I want to be able to delete questions and answers, so that I can ensure manual moderation.**
6. **As a User, I want to be able to delete my own question, so that I can have better control of what I post.**
7. **As a User, I want to be able to edit my own question, so that I can have better control of what I post.**
8. **As a User, I want to be able to create an account, so that I can make and interact with posts.**
9. **As a User, I want the content on my feed to follow Community Guidelines, so that I can engage with respectful, and relevant discussions.**
10. **As a User, I want to be notified when a post is accepted/rejected, so that I can stay updated on the status of my posts.**
11. **As a User, I want the ability to watch a question, so that I can receive emails when new answers have been posted.**
12. **As a User, I want a seamless navigation experience, so that I can quickly find and access the content I need.**
13. **As a User, I want the app to be up and running at all times, so that I can have access to it whenever I need it.**
14. **As a User, I want the app to be easy to use, so that I can use it intuitively and efficiently.**
15. **As a User, I want the app to have a nice design, As a User, I want the app to have a nice design, so that I can enjoy a visually appealing experience.**
16. **As a User, I want the app to be secure so that my personal information is protected.**