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| **REQUIREMENTS** | | **Type of Test**  (I:Integration Testing, S:System Functionality Testing, O:Operational Acceptance Testing, UN:Unit Testing, US:Usability Testing, A:Acceptance Testing) | **Pass or Fail**  (P: Pass, F:  Fail) | **Contributor** |
|  |  |  |  |  |
| **Functional Requirements** | |  |  |  |
|  | |  |  |  |
| 1.1 | The system must be able to host multiple chat servers |  |  |  |
| 1.2 | The system will authorize each user before allowing them access |  |  |  |
| 1.3 | The system will allow password recovery |  |  |  |
| 1.4 | The system will store the information of the users accounts |  |  |  |
| 1.5 | The system will share the activity status of users to their friends |  |  |  |
| 1.6 | The system will store a friend list for each user |  |  |  |
| 1.7 | The system will support group chats |  |  |  |
| 1.8 | The system will send notifications to the user |  |  |  |
| 1.9 | The system is able to remove people from servers |  |  |  |
| 1.10 | Servers can be deleted from the system |  |  |  |
|  | |  |  |  |
| 2.1 | The user must be able to view their active servers |  |  |  |
| 2.2 | The user will be able to message each other through direct messaging |  |  |  |
| 2.3 | The user will be able to recover their password |  |  |  |
| 2.4 | The user will be able to edit their account information |  |  |  |
| 2.5 | The user will be able to check the activity status of other users |  |  |  |
| 2.6 | The users are able to access group chats |  |  |  |
| 2.7 | The user will receive notifications |  |  |  |
| 2.8 | Server admins can remove people from the server |  |  |  |
| 2.9 | Server admins can delete the entire server from the system |  |  |  |
| 9.3 |  |  |  |  |
| **NON-FUNCTIONAL REQUIREMENTS** | |  |  |  |
| **1 6 General** | |  |  |  |
| 1.1 | Application is web-based |  |  |  |
| 1.2 | System will use Relational databases |  |  |  |
| 1.3 | The system will be written in HTML, CSS, JavaScript, jQuery, React and PHP |  |  |  |
| 1.4 | All sensitive information will be encrypted and stored safely. Not shared with any third parties |  |  |  |
| 1.5 | The system will be maintained consistently |  |  |  |
| 1.6 | A single instance of each server / chat |  |  |  |
| 1.7 | The system will be deployed with docker. |  |  |  |