Mobile Application Requirements

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| Req. # | Requirement Description | Priority |
| MA-1 | The chat interface provides a mechanism for users to post messages and get responses back from the chat bot. | Required |
| MA-2 | The login page should be the first page that users see when starting the application. It should provide two text fields – one for entering a login name and one for entering a password.  It should also have the option to recovery the password. | Required |
| MA-3 | When setting up profile information for the first time, the process will be facilitated with the chat bot on the chat interface. | Required |
| MA-4 | The reward system page will have a marketplace to buy accessories for the polar bear. Users gain points by chatting and answering questions from the chat bot. Points are allotted randomly so users can’t predict rewards. | Required |
| MA-5 | The chat bot uses natural language processing. | Required |
| MA-6 | The chat bot also tracks user moods using a variation of the PHQ-9 and HCL-32 tests. (Manic to depressive scale) | Required |
| MA-7 | The mobile application will use the Framework7, Vue.js and Apache Cordova Stack for development. | Required |
| MA-8 | Users can change theme color of the application. | Preferred |
| MA-9 | The food rewards page will allow users to feed the polar bear. Users will be able to buy food with their rewards. | Preferred |
| MA-10 | Users can change the name that polar bear calls them by. | Preferred |
| MA-11 | Users have access to their chat history. | Preferred |
| MA-12 | Application has an interactive widget displaying messages from the chat bot. | Preferred |
| MA-13 | The mobile application has animations. | Desirable |
| MA-14 | Users can change chat bot avatar to another animal. | Desirable |
| MA-15 | Users can do coloring books inside the application. | Desirable |
| MA-16 | Upon signing up to the application, the face recognition feature would authenticate the user’s face to make sure they are the only person using the application. | Desirable |
| MA-17 | You can talk to the chatbot using Speech-to-Text | Desirable |

Server Application Requirements

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| Req. # | Requirement Description | Priority |
| SA-1 | The server application has to have CRUD operations on user accounts. It will be used for user management of patients and providers. | Required |
| SA-2 | The server application will be hosted in a hosting service. | Required |
| SA-3 | The server application will have a basic public domain and subdomain (ex: abc.com) | Required |
| SA-4 | The server application will have ftp/sftp access. | Required |
| SA-5 | The server application will have a minimum of 128MB ram with proper database support. | Required |
| SA-6 | The server application will have SSL support on domain mandatory as transaction contains patient’s information. | Required |
| SA-7 | The server application will have a secure 3rd party Database service. It will store patient messages with encryption. | Required |
| SA-8 | The server application will have a secure 3rd party Storage Service. It will store patient images and other documents. | Required |

Dashboard Application Requirements

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| Req. # | Requirement Description | Priority |
| DA-1 | The dashboard will have charts based analytics. | Required |
| DA-2 | The dashboard will have word clouds based on patient input. | Required |
| DA-3 | The dashboard will display alerts when the patient input specific flag words. | Required |
| DA-4 | The dashboard will display progress notes. | Required |
| DA-5 | The dashboard will display journal entries from patients. | Required |
| DA-6 | The dashboard will have CRUD capabilities. It should be able to create, read, update and delete patients. | Required |
| DA-6 | The dashboard will display medical information and history. | Preferred |