* **Team**

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* **Title:** NextBox
* **Project Summary:** NextBox is a web application on the lines of Dropbox, which allows users to manage their files, and share it with others.
* **Project Requirements:**

1. User Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Actor** | **Requirement** | **Priority** |
| UR 01 | User | View home directory and navigate filesystem | Critical |
| UR 02 | User | Must be able to create account | Critical |
| UR 03 | User | Change directory structure (creating, deleting, moving, renaming directories) | Critical |
| UR 04 | User | Copy, paste, delete, rename files | Critical |
| UR 05 | User | Upload files | Critical |
| UR 06 | User | Download files | High |
| UR 07 | User | View and edit text file | High |
| UR 08 | User | View photos | High |
| UR 09 | User | Search for file or directory | Medium |
| UR 10 | User | View usage | High |
| UR 11 | User | Change plan | Medium |
| UR 12 | User | Share file with another user | Medium |
| UR 13 | User | View and pay bill | Medium |
| UR 14 | User | Add a credit card | Medium |
| UR 15 | Admin | Create users | High |
| UR 16 | Admin | Change the activation status | Critical |
| UR 17 | Admin | Modify Plan | Low |
| UR 18 | Admin | Create a plan (change per month rate and space) | Low |

1. Business Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Actor** | **Description** | **Priority** |
| BR1 | Billing System | Update bill monthly based on usage | Medium |
| BR2 | Billing System | Warn and do not allow the user in case they exceed the usage | Medium |

1. Non-Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Actor** | **Description** | **Priority** |
| NFR1 | System | Prohibit escalation of privilege | Critical |
| NFR2 | System | Support at least 100 user accounts | Medium |
| NFR3 | System | Support at least 4 concurrect directory listings/FS tree walks | High |
| NFR4 | System | Run on HTTPS | Nice to Have |

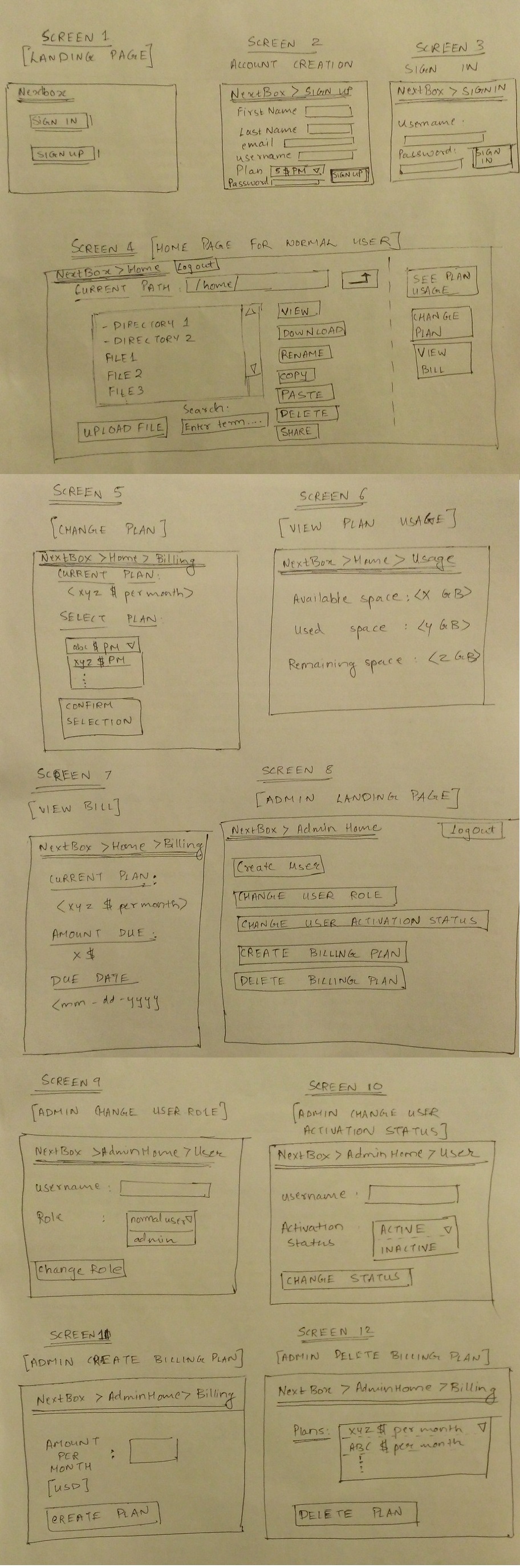
* **Use Cases**

1. Use Case Document

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | **Actor** | **Description** | **Responsible** |
| UC 01 | User | Create an account | Anirudh |
| UC 02 | User | Add credit card | Anirudh |
| UC 03 | User | Rename file | Anirudh |
| UC 04 | User | Delete file | Anirudh |
| UC 05 | User | Copy file | Anirudh |
| UC 06 | User | Paste file | Anirudh |
| UC 07 | User | Create directory | Dan |
| UC 08 | User | Delete directory | Dan |
| UC 09 | User | Move directory | Dan |
| UC 10 | User | Rename directory | Dan |
| UC 11 | User | Upload file | Saurabh |
| UC 12 | User | Download files | Sneha |
| UC 13 | User | View text file | Sneha |
| UC 14 | User | View photo | Dan |
| UC 15 | User | Search for file or directory | Sneha |
| UC 16 | User | See account usage | Sneha |
| UC 17 | User | Change plan | Dan |
| UC 18 | User | Share file | Saurabh |
| UC 19 | User | Check bill | Saurabh |
| UC 20 | Admin | Create user | Dan |
| UC 21 | Admin | Change activation status | Sneha |
| UC 22 | Admin | Create plan | Saurabh |
| UC 23 | Admin | Modify plan | Saurabh |
| UC 24 | User | Edit text file | Sneha |

1. Use Case Diagram

* **UI Mockup**



* **Class Diagram**