School of Computing
CA400 Year 4 Project User Manual

Project Title: **xDrive Private Cloud Solution**
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1. Installation

To make it easier for users to utilise the application, we have made the project available in executable format. However, if you wish to run the application manually, please follow the steps below.

First clone the project from our git repository, enter the root of the project in the terminal of your choice.You must then download MongoDB which is our primary database. Details of download and installation can be found on here:MongoDB installation. For Unix and Linux users, once MongoDb is installed, you will need to run the server using the following commands below (Note: For windows users, please refer to the link above) :

 Once the server is running, then on a separate terminal:

Once the mongoDB servers are fully functional, you will then navigate to our root folder/src where you will initialise the script **'./start.sh'.** This script will begin the mongoDB server running on port 3000. We designed this script to make the process simpler. Once the script has been executed, you will see the screen below.

Once the server is running on the background, you will then need to navigate to the project file using you terminal or command prompt and **cd (**change directory**)** into the root folder, the

src folder, then finally the folder labelled **frontend**. To run the project, please download and install the project manager **Yarn** using this link: <u>Yarn documentation</u>. To allow yarn to work with this project, you will need to type the command: **yarn install** in the current directory you are working on (which should be projectName/src/frontend). Finally, to run the application, type the command **yarn start**. The project should begin to run immediately. (**NB:**Don't worry, you will only have to do all the steps above once. After which only **yarn start** will be used to run the application.)

2. User Guide and User Interface Screenshots

User Not Logged In

Figure 1 - Main Page, user not logged in

Once the main page is accessed, the user is visited with the name of the application and a navigation icon. The user will view an option to log in or register. The user will navigate to their pages depending on their choice of login or register.

Please sign in

Email Address

Enter Email

Password

Enter Password

Sign in

Figure 2 - log in

Please Register

First Name

Enter First Name

Surname

Enter Last Name

Email Address

Enter Email

Password

Enter Password

Register

Figure 2.1 - Register

User Profile

Once the user has logged in successfully they will be directed to their profile page. On this page, they will be able to view their user profile. Their user profile will contain the information the user provided upon login.

Figure 4 - User Profile

Navigation tab

This is an image of the navigation sidebar. This sidebar can be accessed using the toggle on the left of the user's screen.
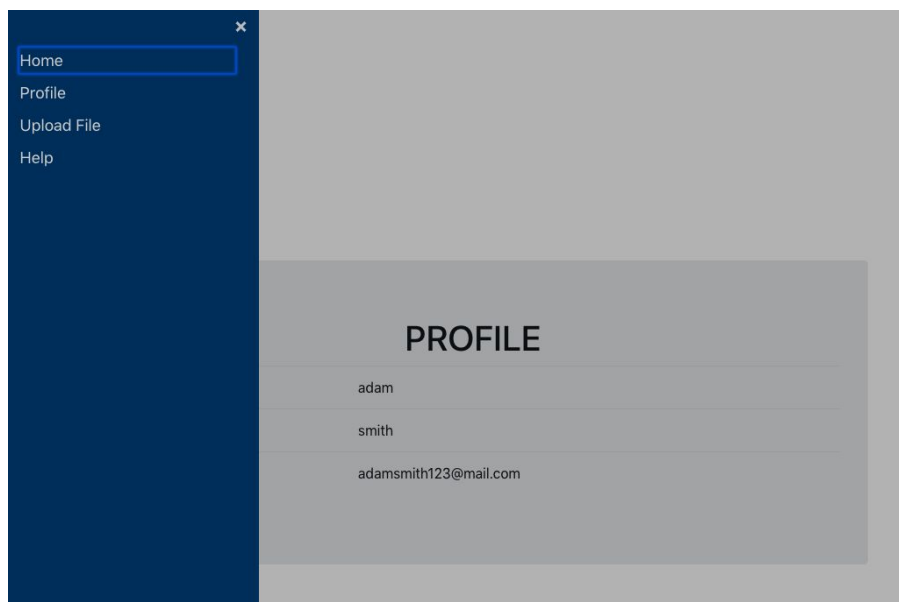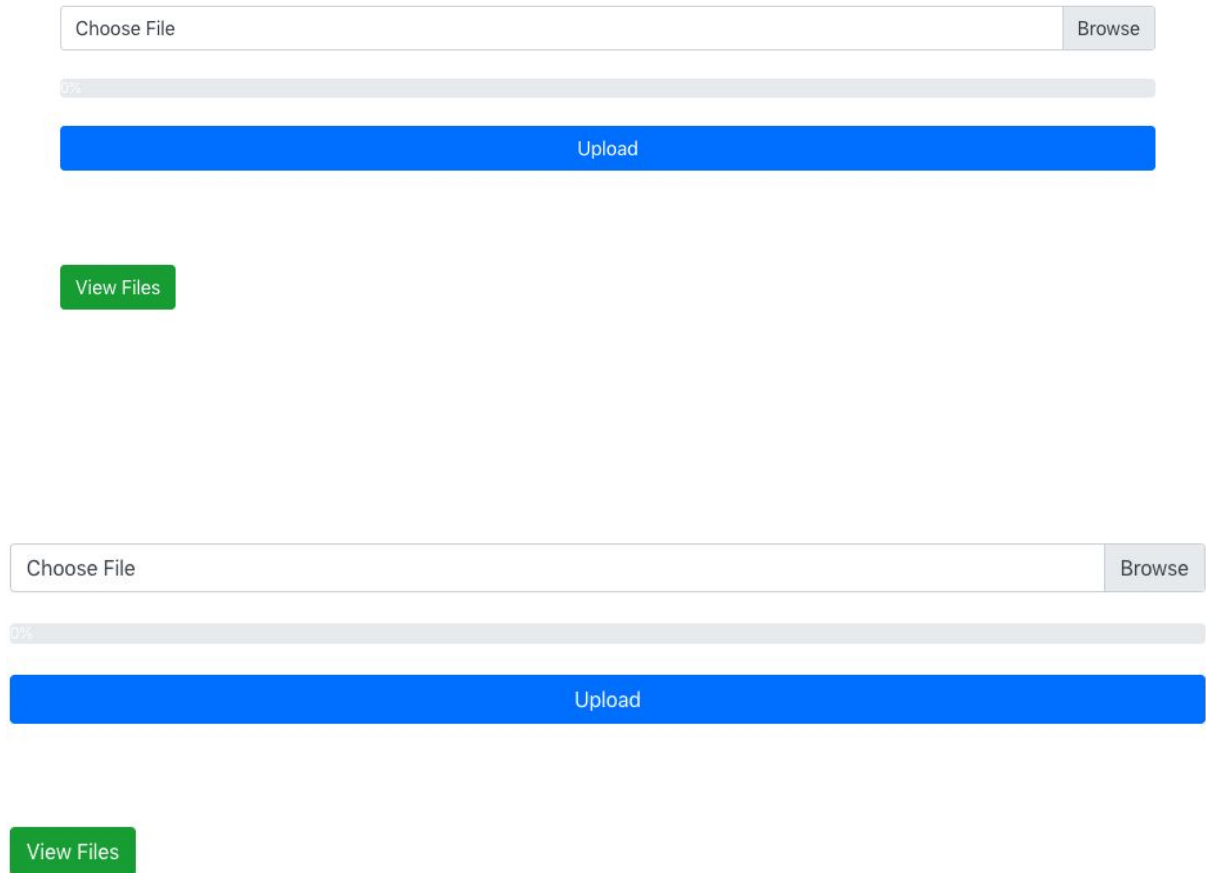

Figure 4 - Navigation Sidebar

File Upload

If the user chooses the upload file option, then they will be met with an upload file section where they can conveniently upload their files. They will have the ability to browse through their computer and select a file of their choice and hit upload.

Choose File	Browse

0%

Upload

View Files

Choose File	Browse

0%

Upload

View Files

Figure 4 - File Upload Component

List of Files and Folders

List of Files

textFile.txt

Dropdown ▾

Move
Delete

List of folders

folder

Dropdown ▾

Share   Create Folder

folder1

Dropdown ▾

Share   Create Folder

Shared Files and Folders

Figure 5. 1 - List of Files Page

If the user hits the button to view files, they will be directed to the page where they will be able to view their files, shared files and their folders.

List of Files

textFile.txt

Dropdown ▾

Share   Download

Figure 5.2 - Share and Download Component

*The share component will enable the user to share their files friends. As well as this, the user will also have the option to **download** their desired file to their local device.*

textFile.txt

Dropdown ▾

Move
Delete

Figure 5.3 - Move or Delete File Component

The Dropdown will allow the user to either move or delete the file. If the user chooses to "Move" file, they will be redirected to a page in which they will have the ability to move the file from and to their desired location.

List of folders

folder

Dropdown ▾

Share Create Folder

folder1
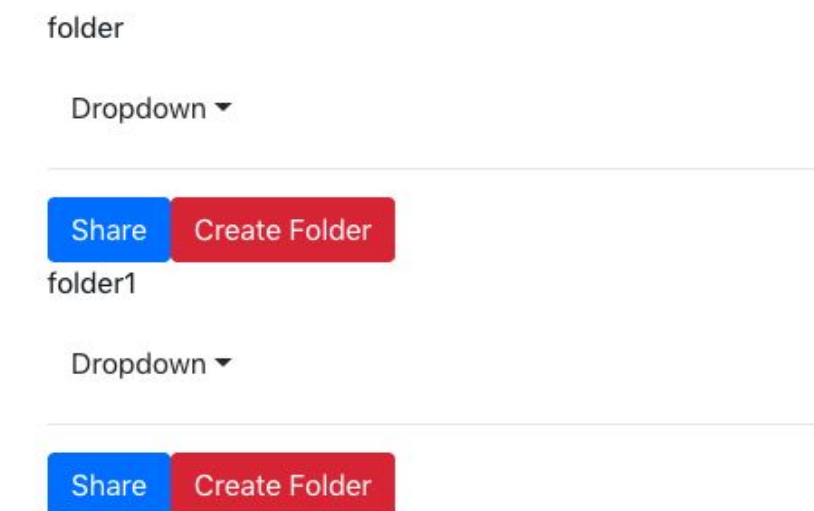
Dropdown ▾

Share Create Folder

Fig 5.4- Share and create Folder Components

Similar to the sharing files, if the user opts for this option, they will have the ability to share the file. Also in the image above, we can see a "Create Folder" button. This will enable the user to create a new Folder and provide a name for their chosen folder.

Logout

Fig 5.4- Logout

The user can then log out of the application using the navigation menu on the right of the left of the application