

# T4A2 FULL STACK APPLICATION PART A

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## Kleen & Tidy Web application

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### Description of your website, including:

- Purpose :

Kleen & Tidy is a cleaning company who engages in providing different cleaning services for the clients. They engage sub- contractors and delegates the cleaning tasks.

By creating this web application it helps the company to manage the sub-contractors very efficiently. It helps in reducing the time taking in assigning the tasks manually . It incorporates the best job features in our to give more accessibility, transparency and flexibility to the sub- contractors.

- Functionality / features :

Below are the various functionality this application will feature :

1 . User Login - The sub- contractors will be given with their own login details by the company once they have signed the subcontractor agreement .

2 . Job information - Once the sub-contractor has logged in to their account they will be able to use their below features :

- View all the jobs the company posts and accept the ones they want .
- Active Jobs : Once the job has been accepted the contractors will be able to see the job details under the active job section . This section also provides the contractor with the clients details their name address where the works need to be completed, any notes that the client has provided, Their contact number for contacting the client.
- Completed Jobs : This section the contractors can see all the jobs that has been completed by them .
- Reattend : This sections shows any job they have to re-attend . For ex : If any job was not completed upto the standard or if there is any job that provides guarantee or any complaint from the client about the job will be shown here so they can re-attend those works .

3 . Schedule - Here the contractor has the opportunity to see the jobs as per the date. The ones that are current will be highlighted

4 . Profile : Here all the details of the contractors will be stored if there is any updates to the information they can amend it making sure all information are upto date for any future references.

5 . Admin Login - Admin has their own log in to schedule the task assign it , to view which contractor is assigned for each task

6 . Create User name and Password - Admin has the capacity to create the user name and password for the contractor. They can also reset the password

- Target audience :

The targeted audience for this web application will be the sub-contractors employed by the company and the Admin. This is creating the work load of the company lesser and also making it more efficient

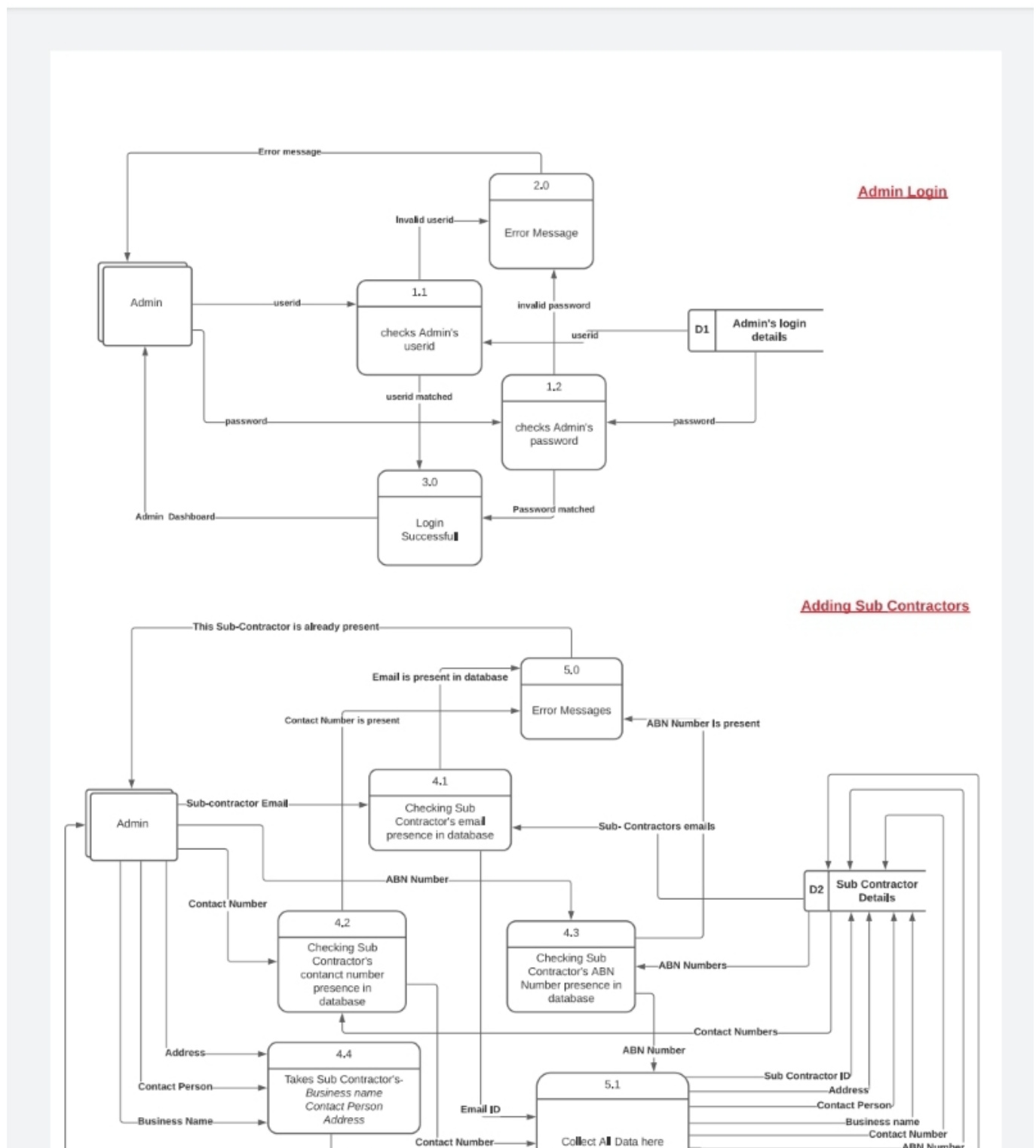
- Tech stack :

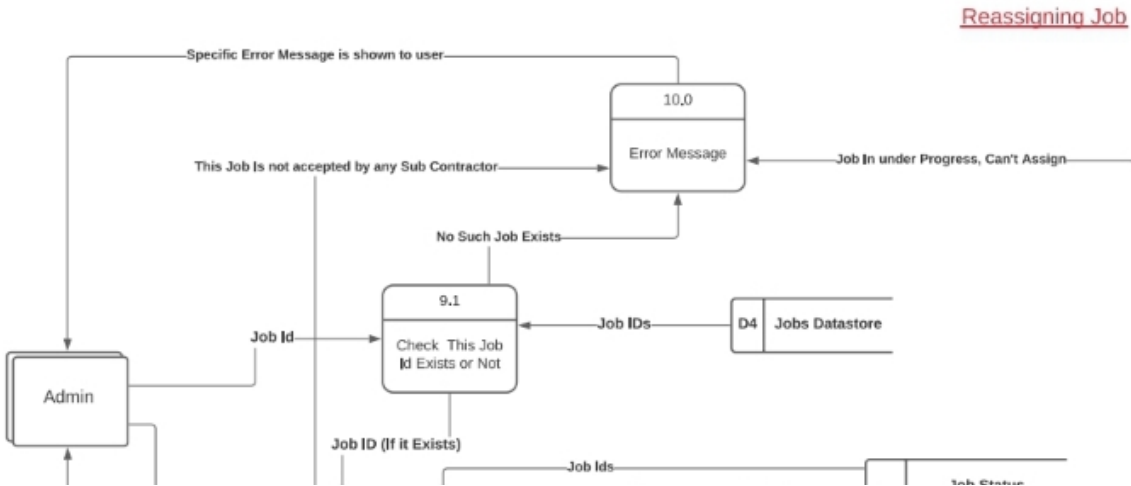
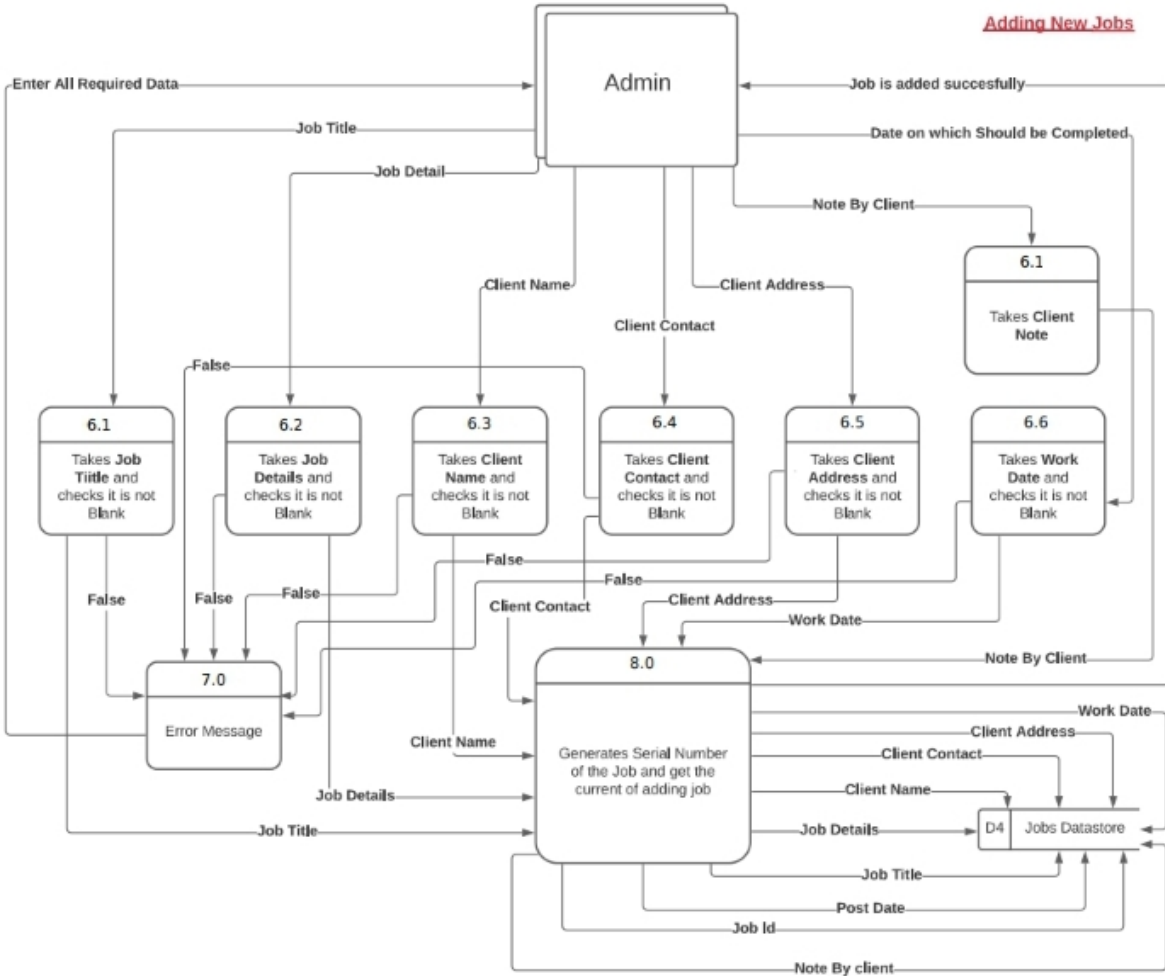
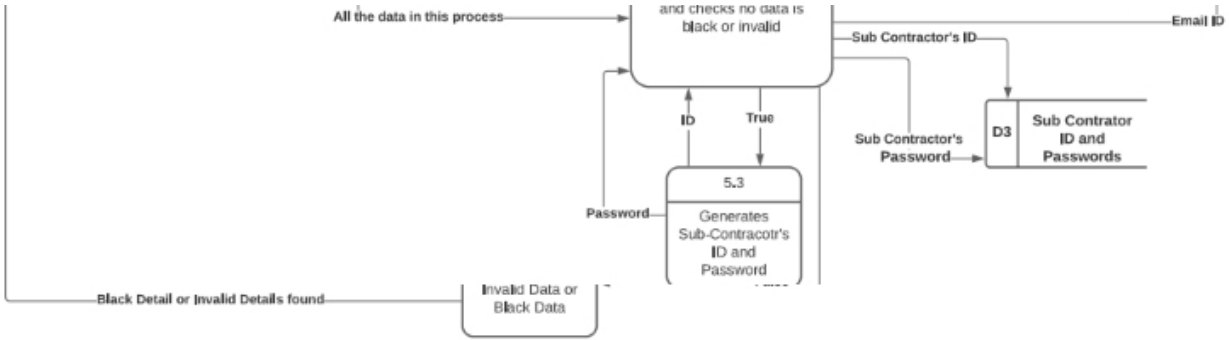
Front End - For the front end I will be using HTML5 and CSS , Java Script and Jinja

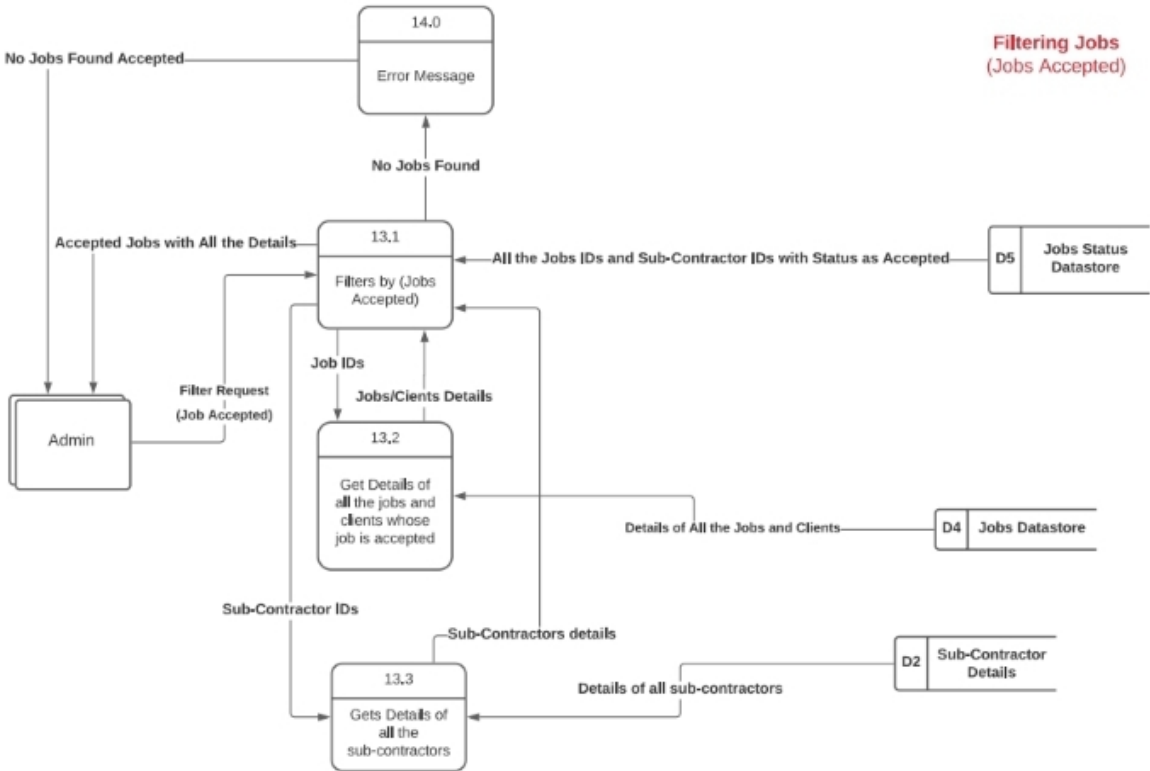
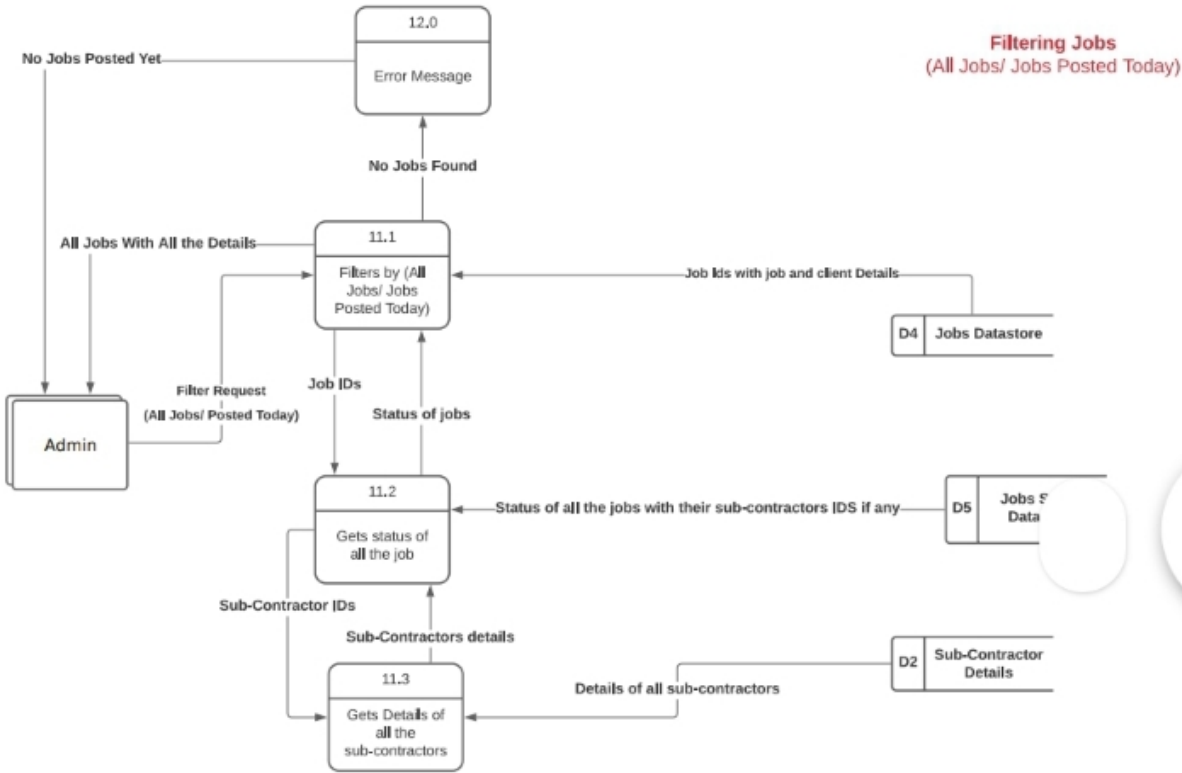
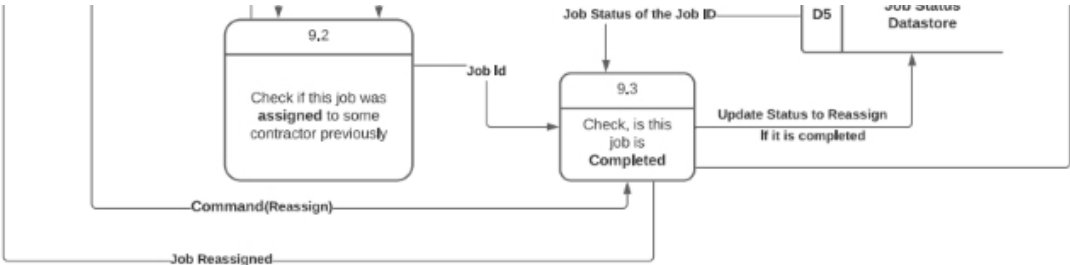
Back End - Flask , Passlib(sha256) , MSql Connector

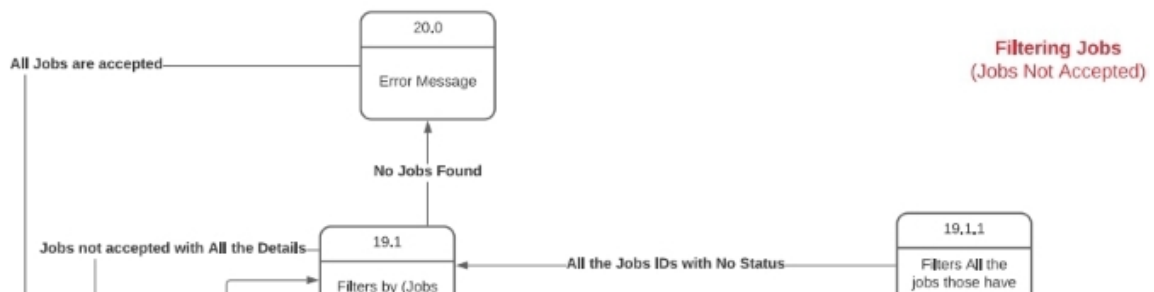
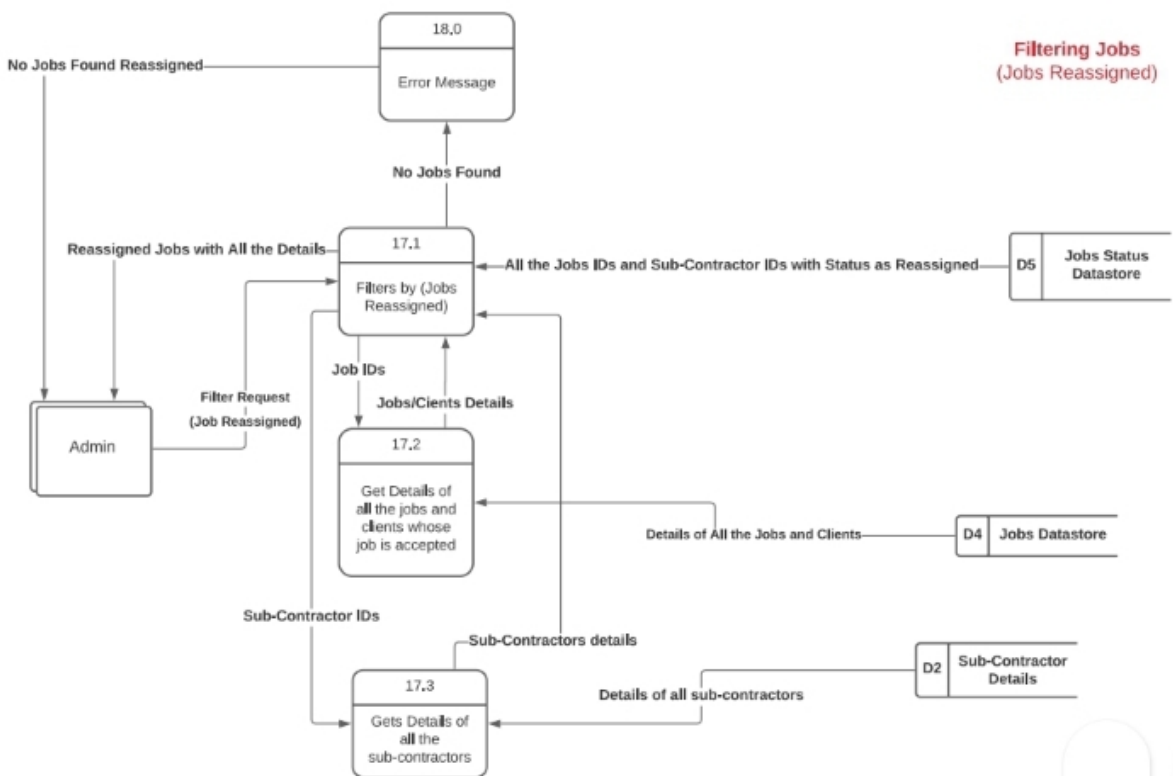
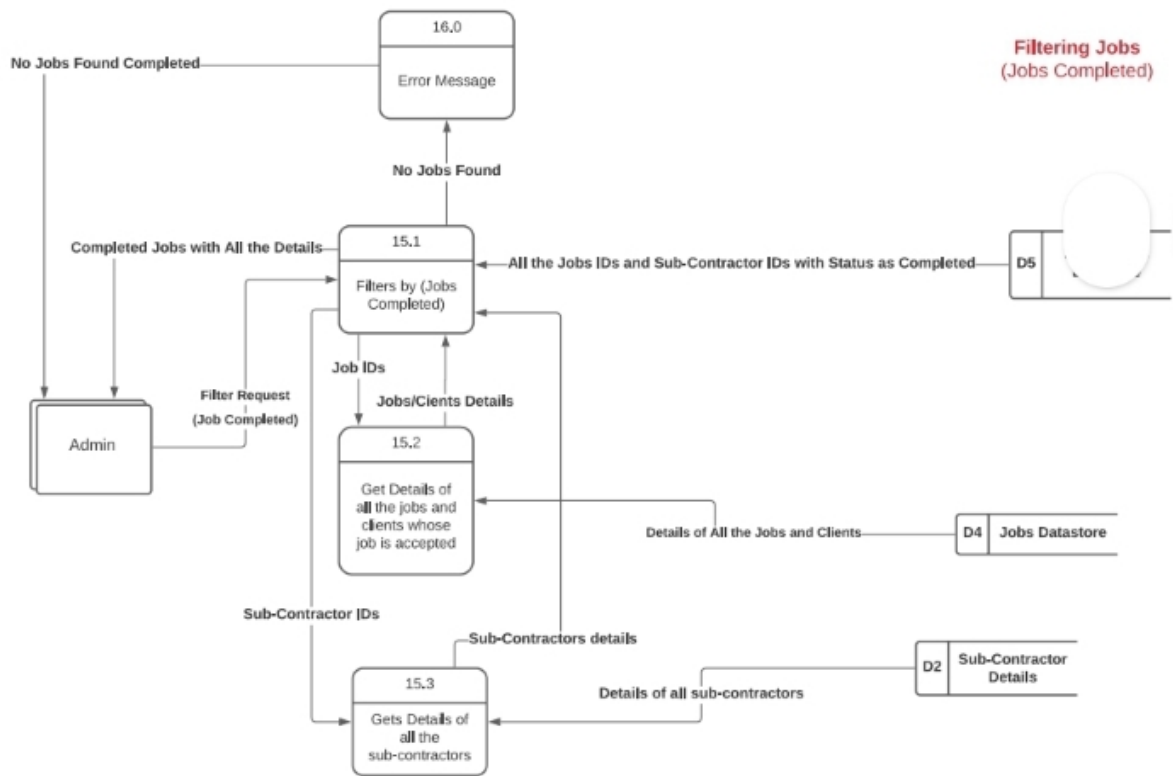
Database - MySQL

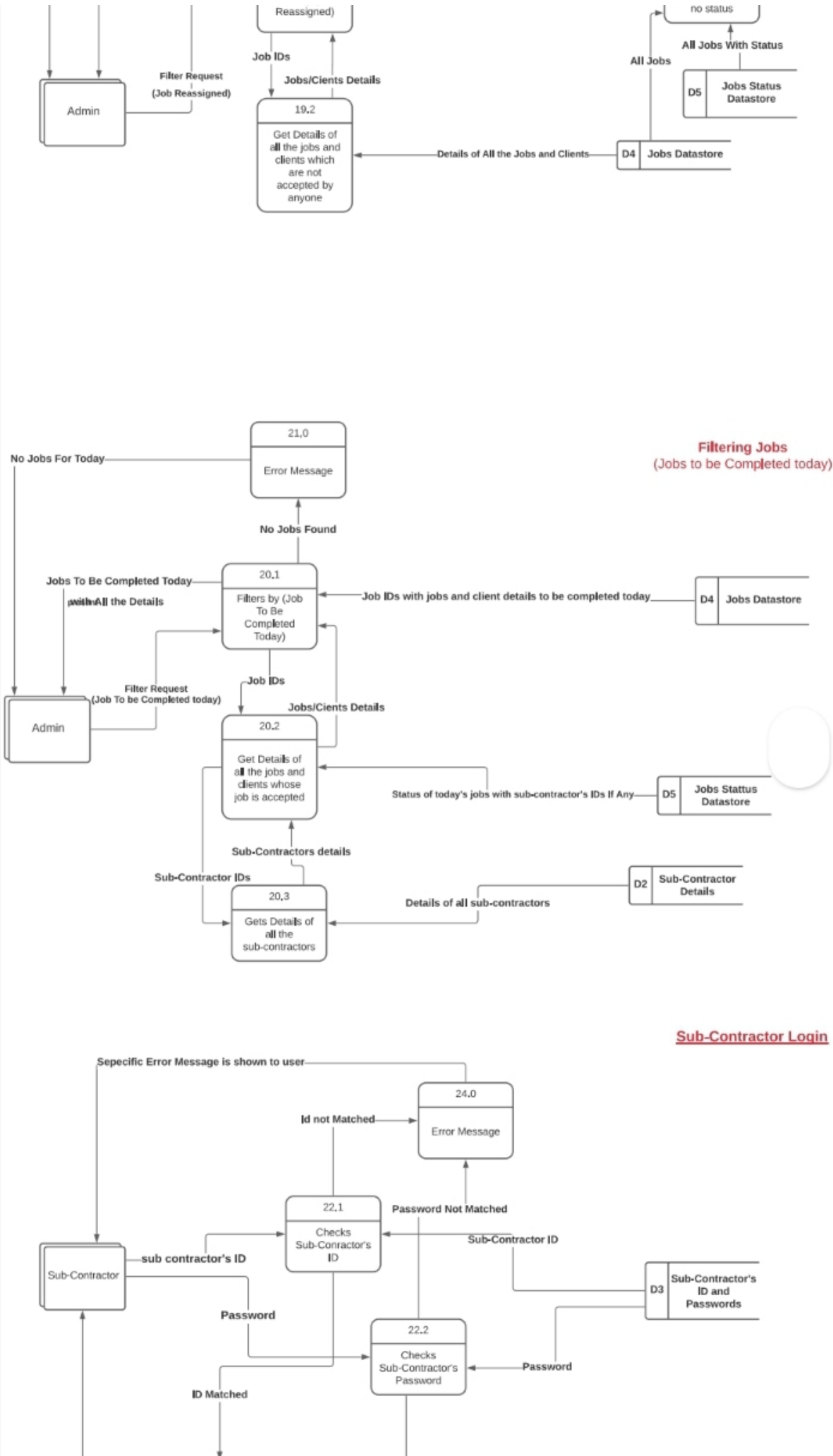
## R2 Data Flow Diagrams :

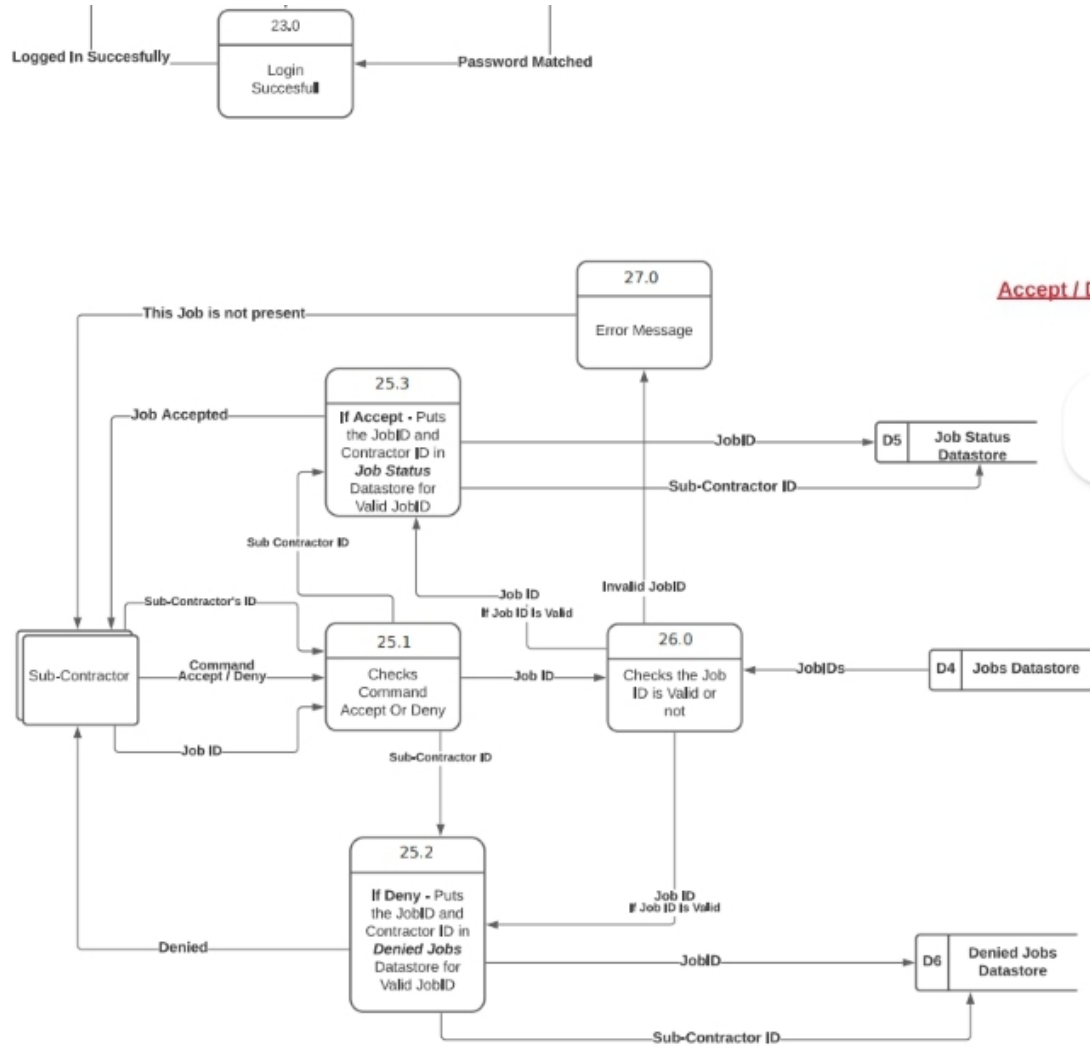




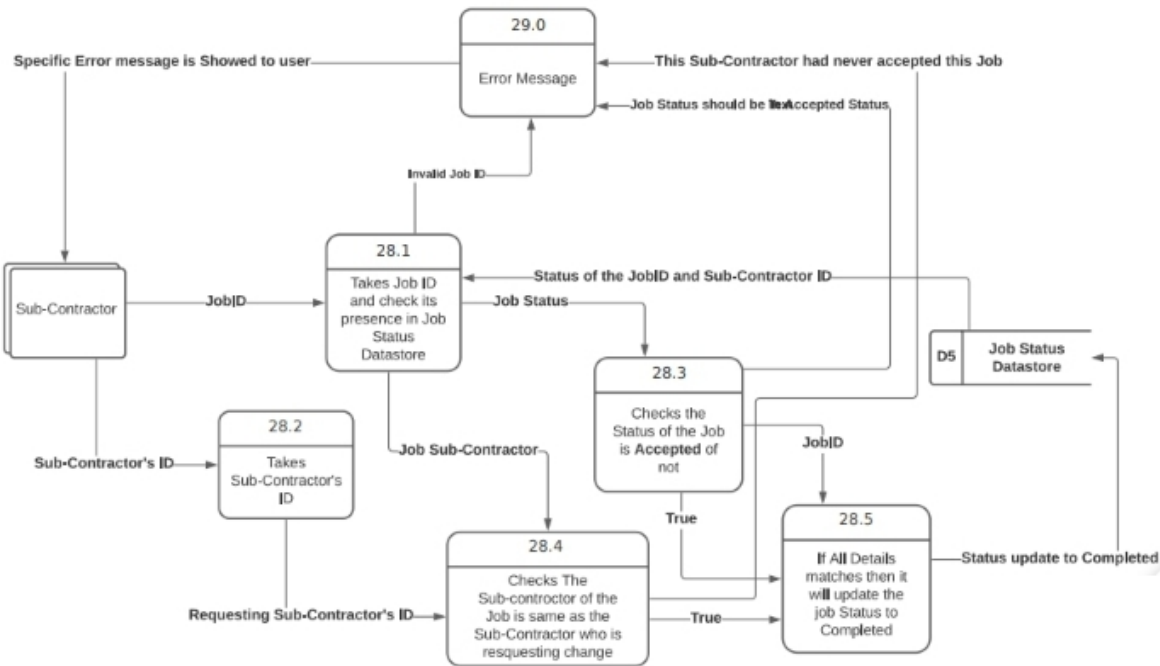








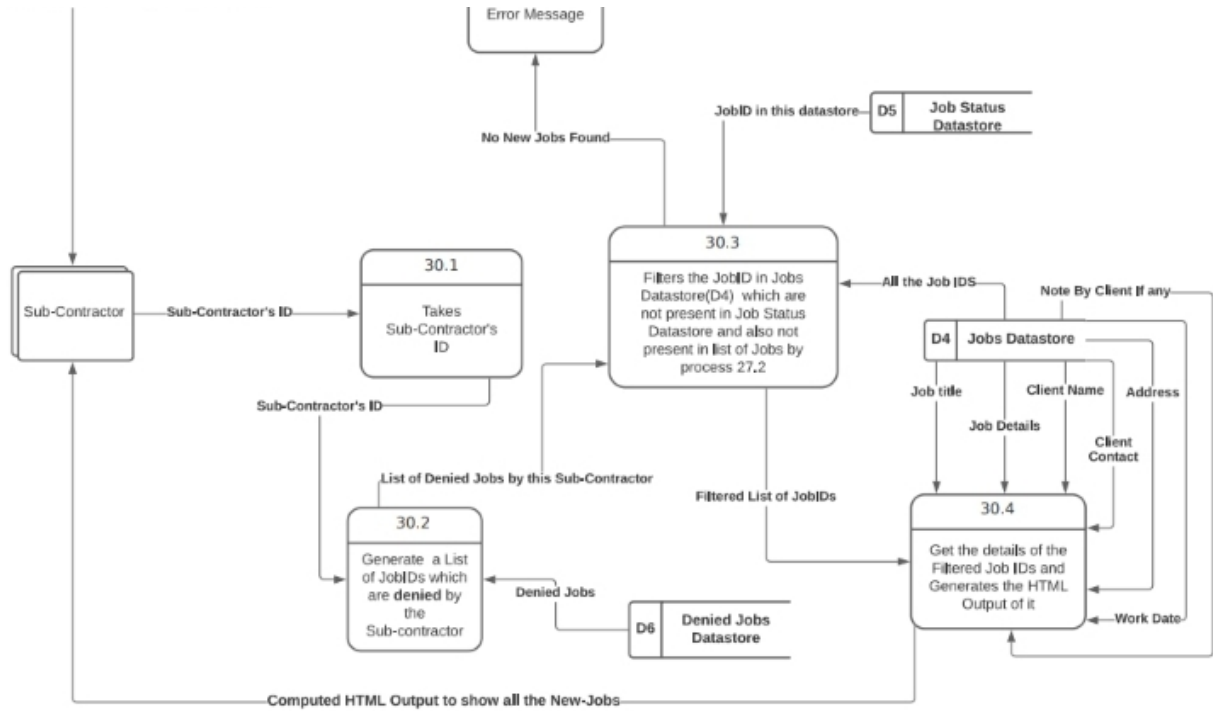
Accept / Deny Jobs



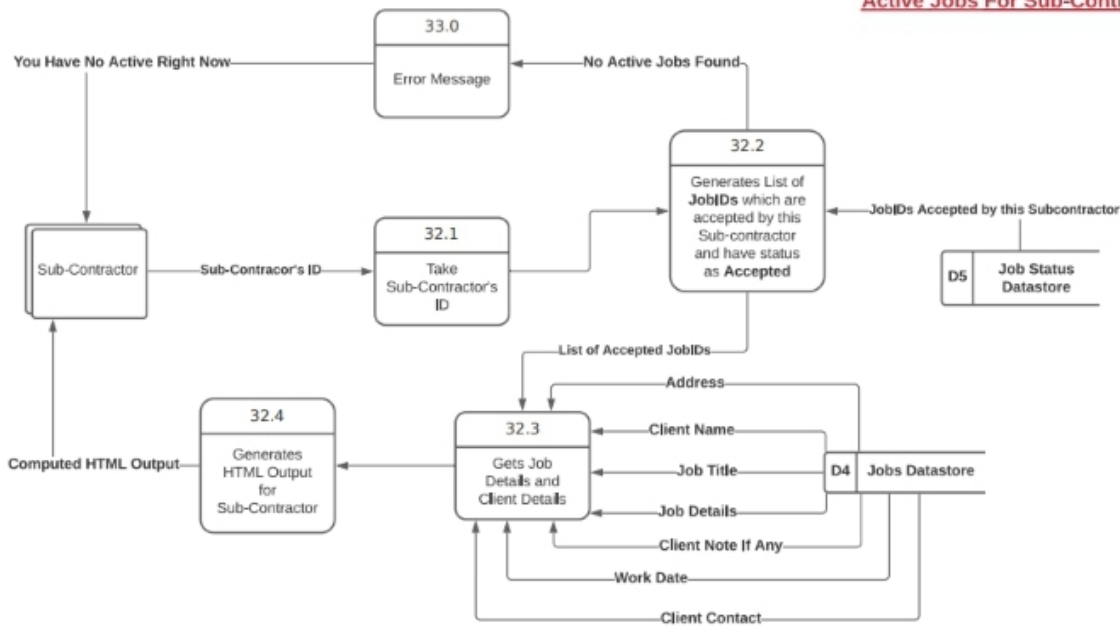
Marking Job as Completed



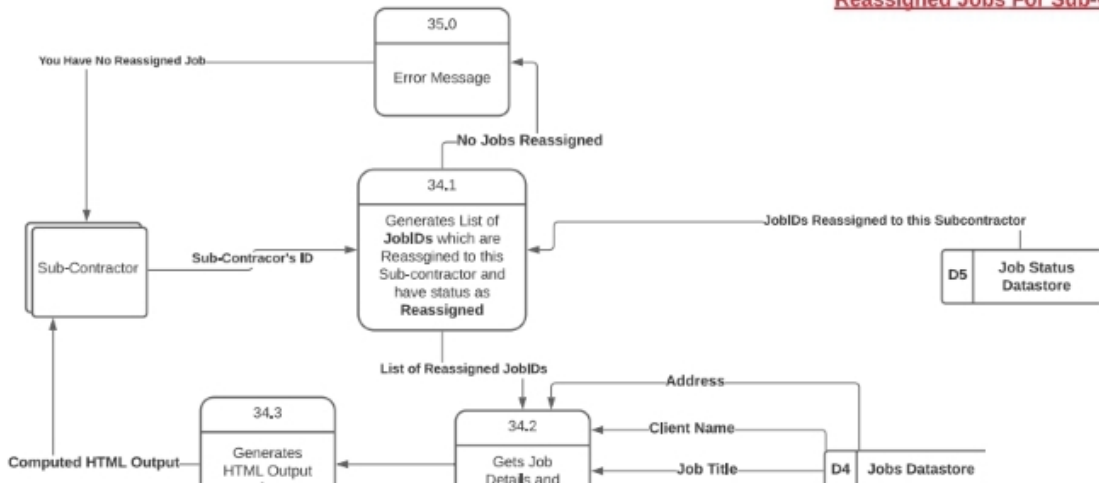
New Jobs For Sub-Contractor



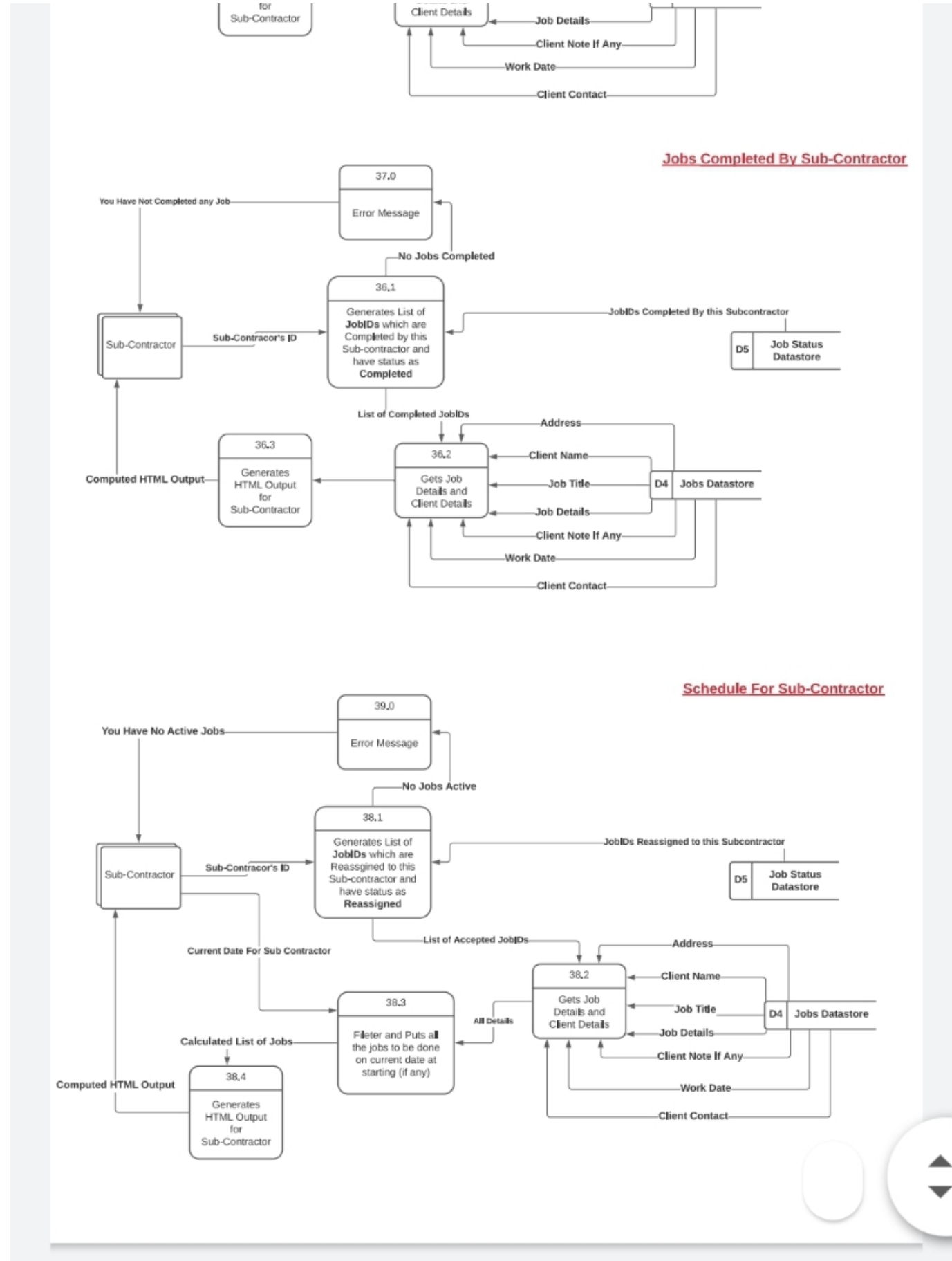
Active Jobs For Sub-Contractor



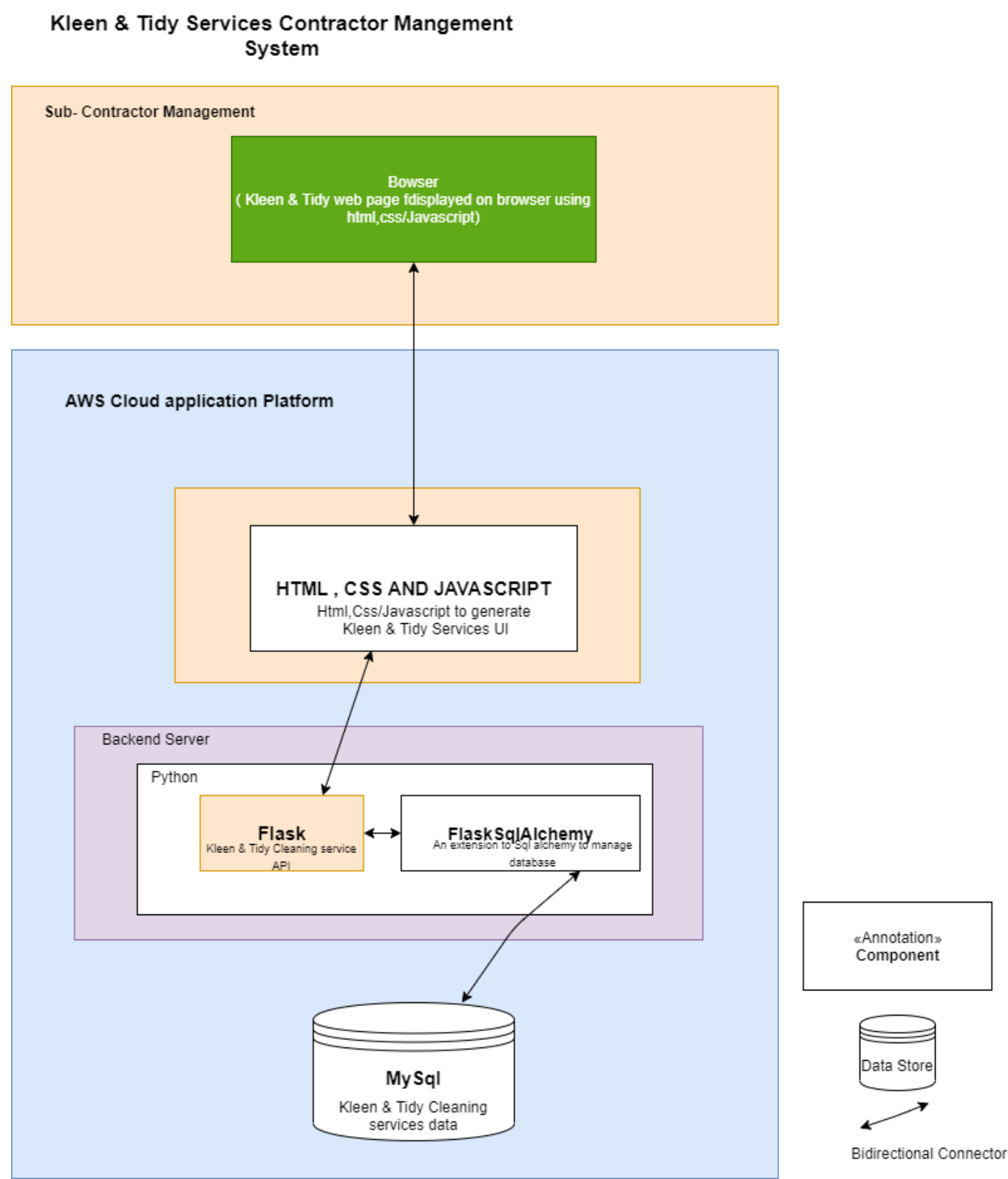
Reassigned Jobs For Sub-Contractor



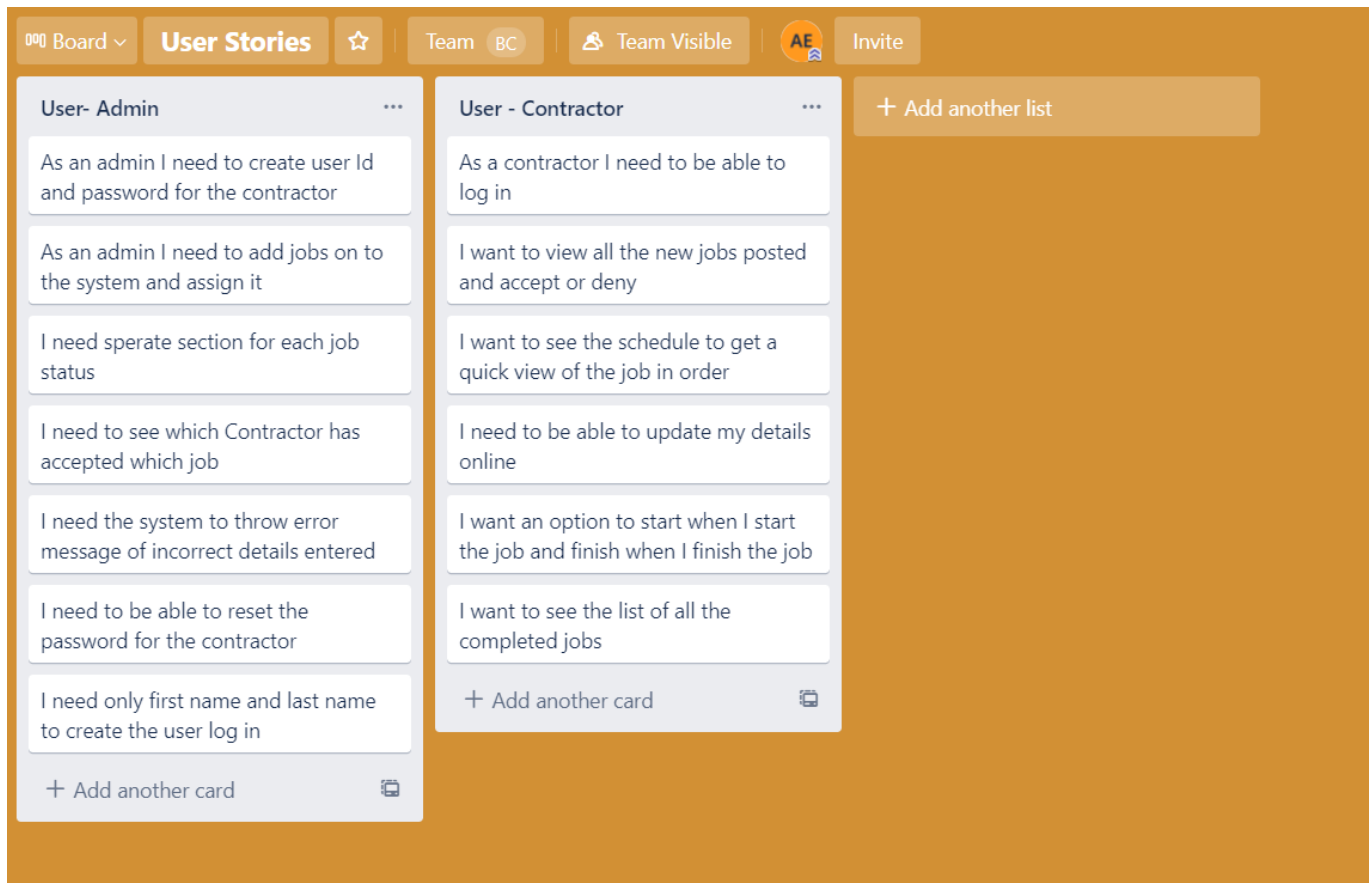




R3 Application Architecture Diagram



## R4 User Stories



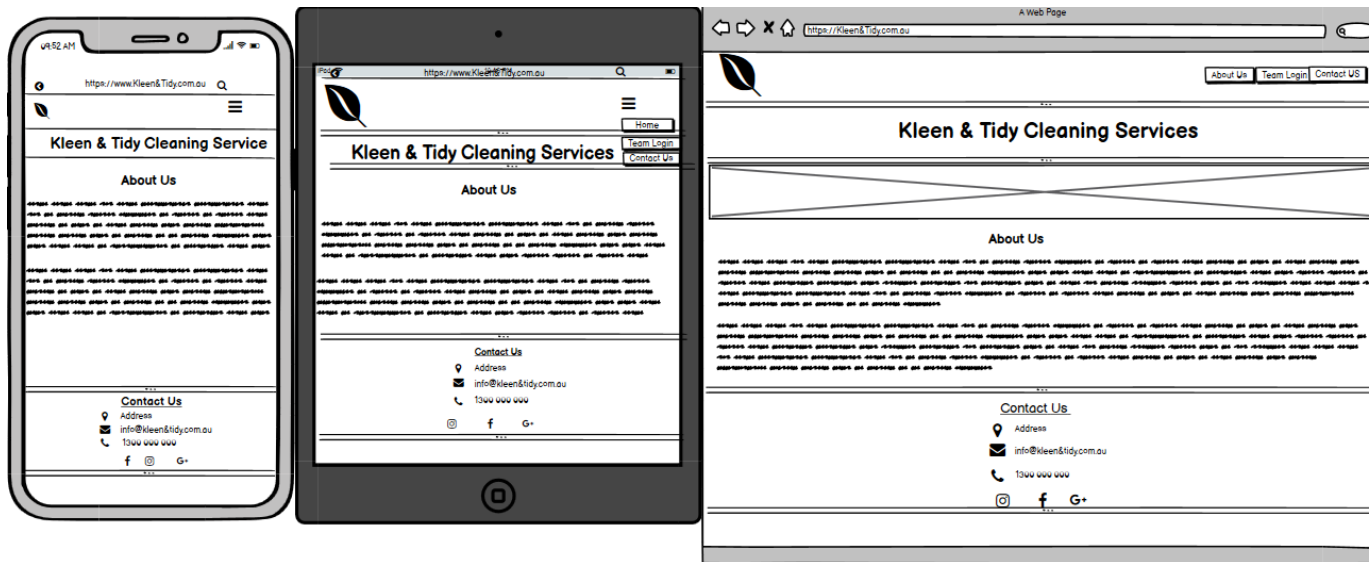
R5 Wireframes for multiple standard screen sizes, created using industry standard software

The application is compatable on different size of screens. The below are the wireframes for each screen type :

## Home Page or About Us page

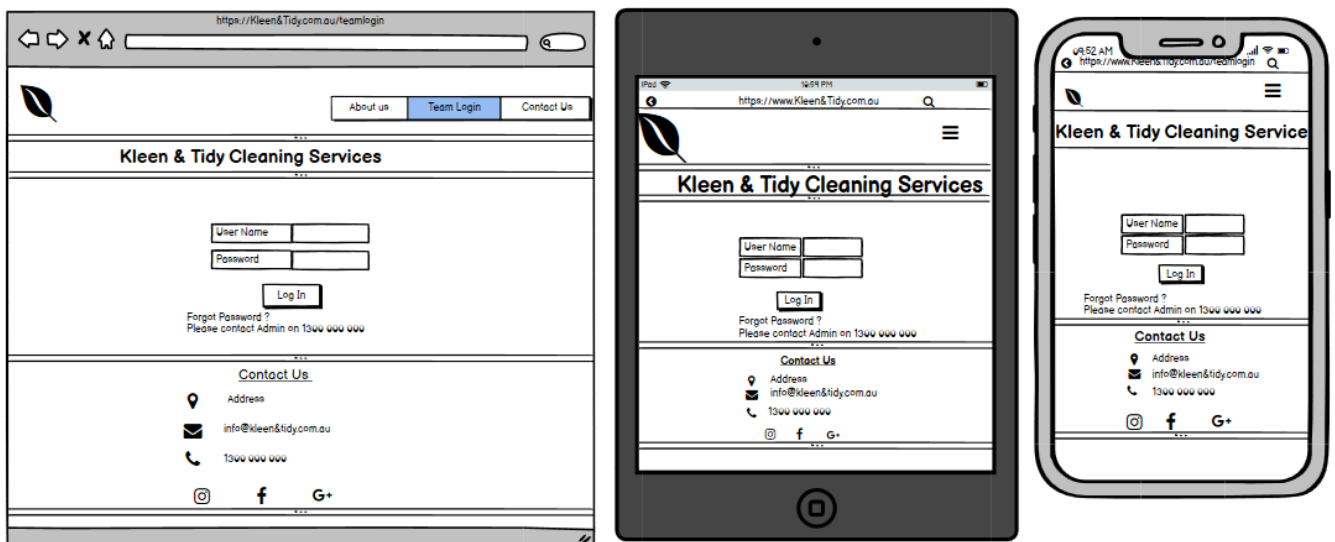
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Desktop , Tablet and Phone View



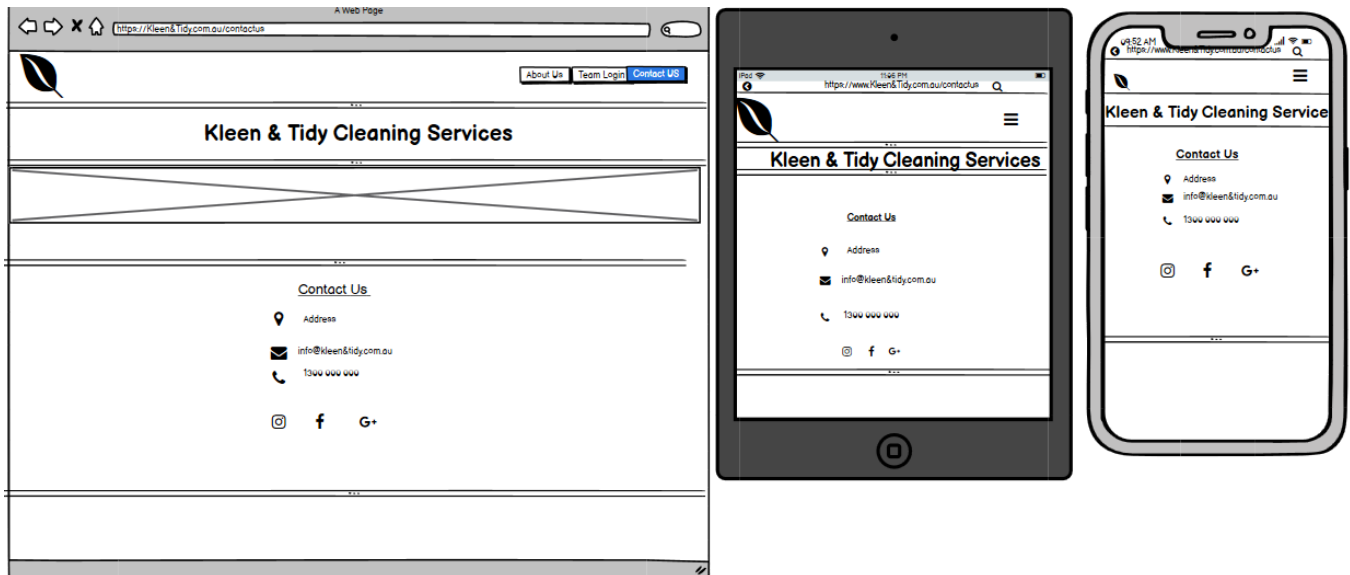
## Team Login page

Desktop , Tablet and Phone View



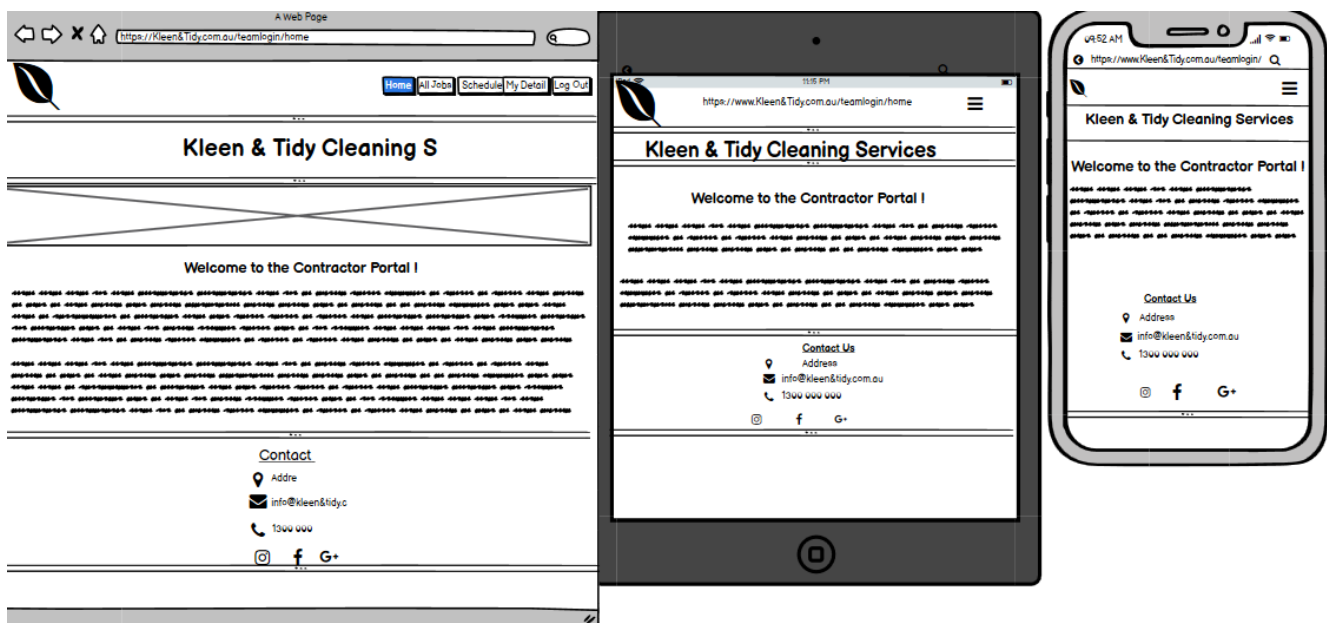
## Contact Us page

Desktop , Tablet and Phone View



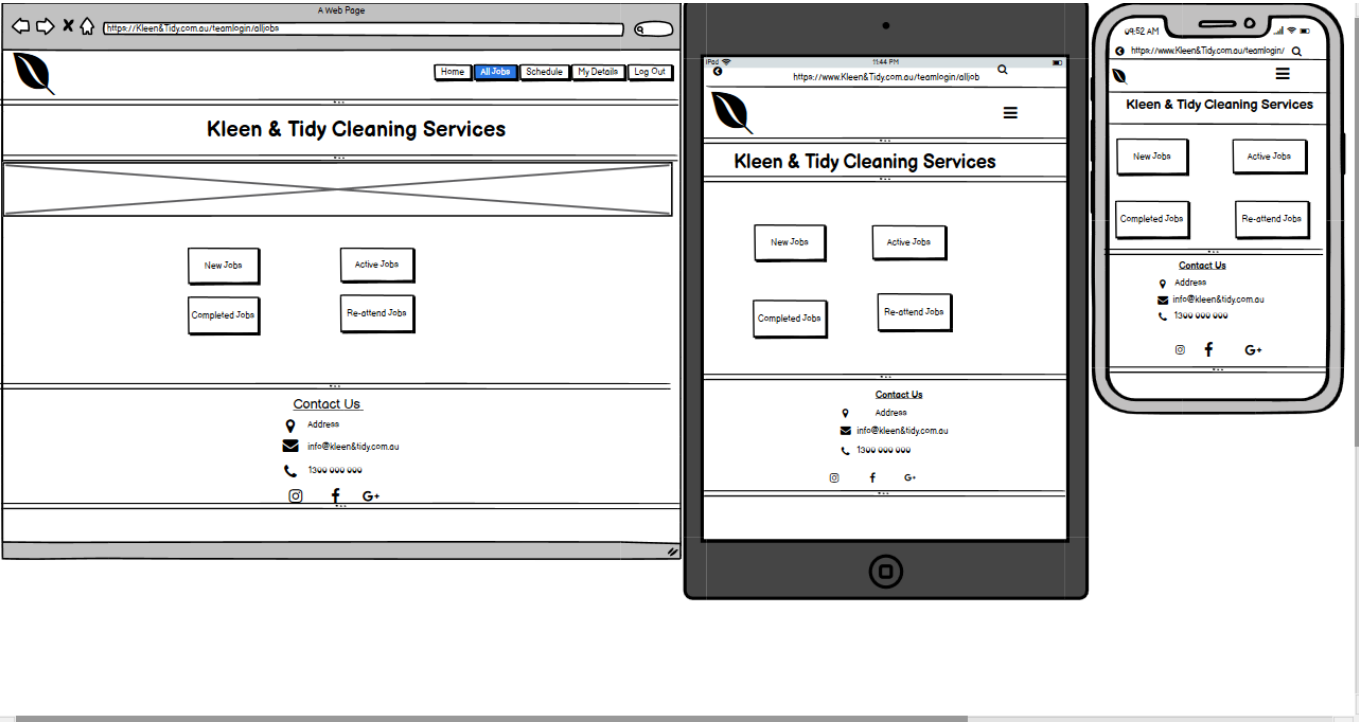
## Team Login Home page

Desktop , Tablet and Phone View



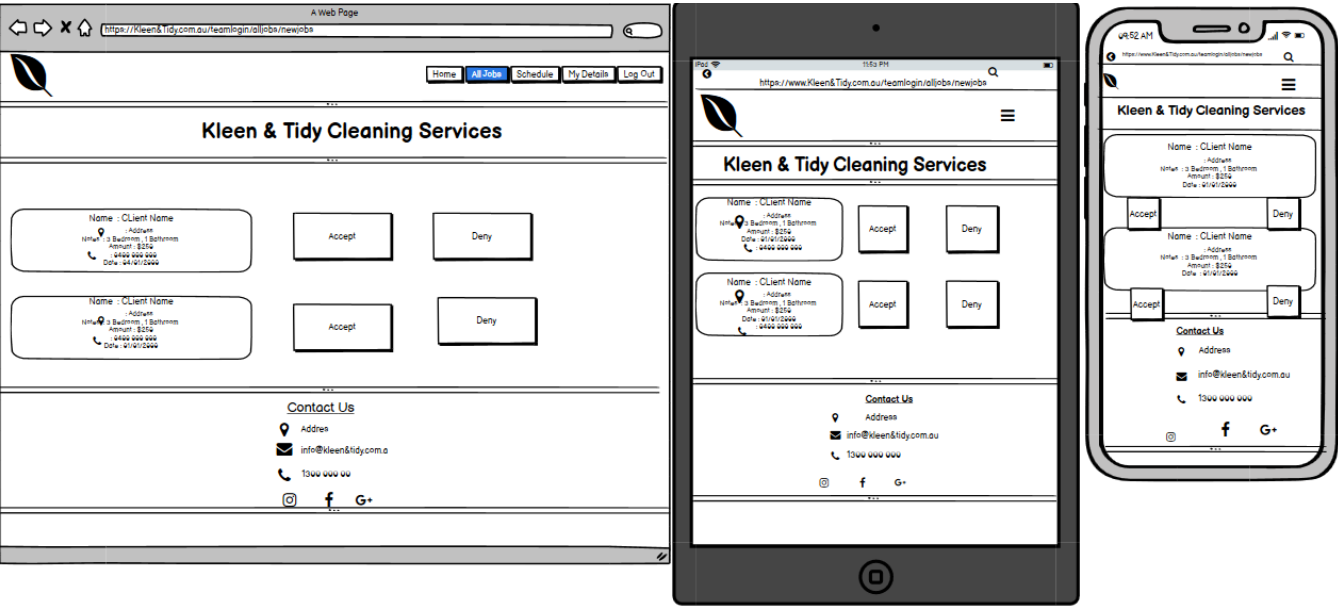
## Team Login All Jobs page

Desktop , Tablet and Phone View



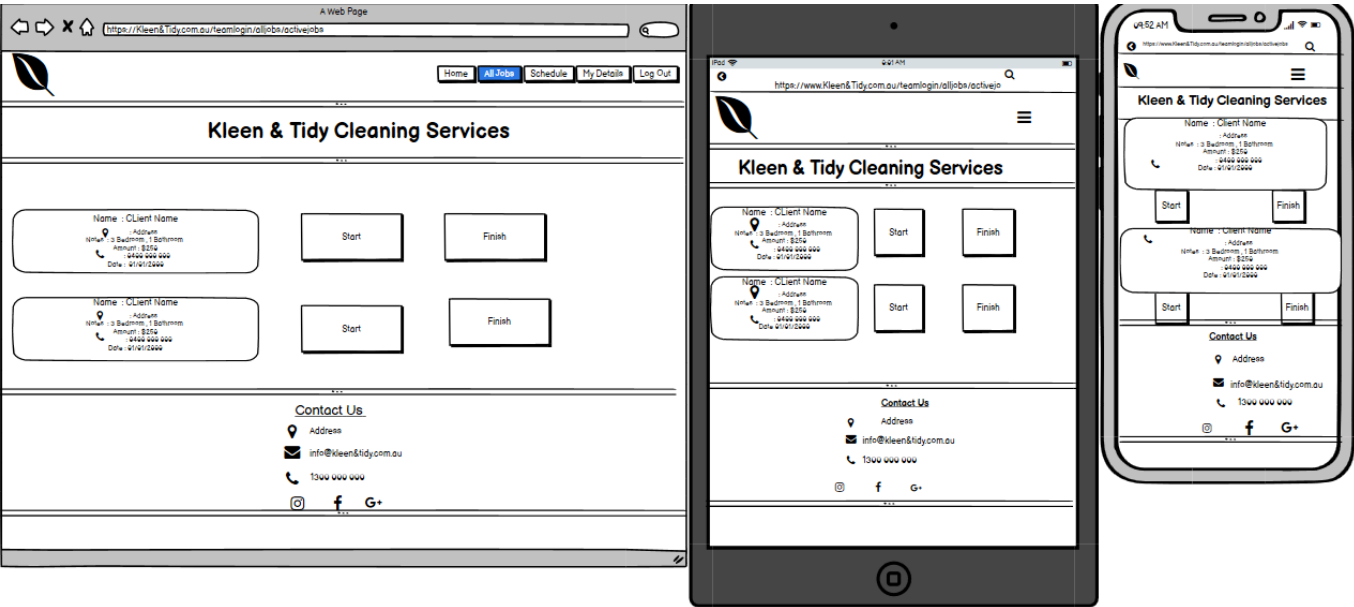
# New Job page

## Desktop , Tablet and Phone View



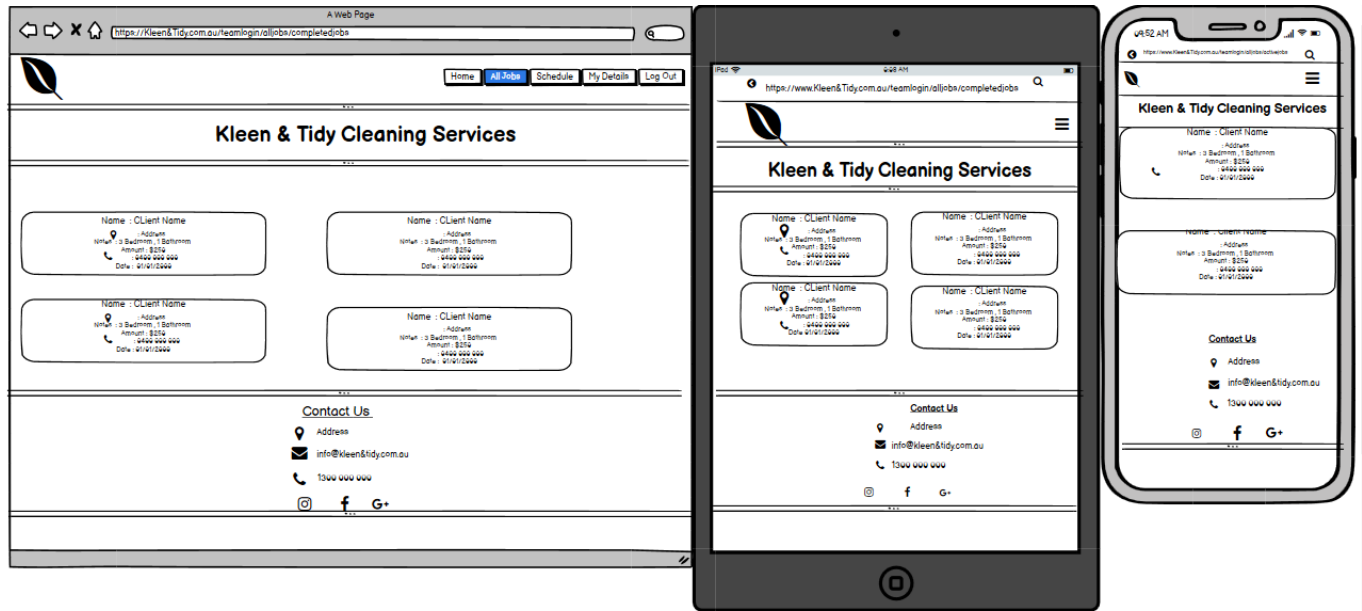
# Active Job page

Desktop , Tablet and Phone View



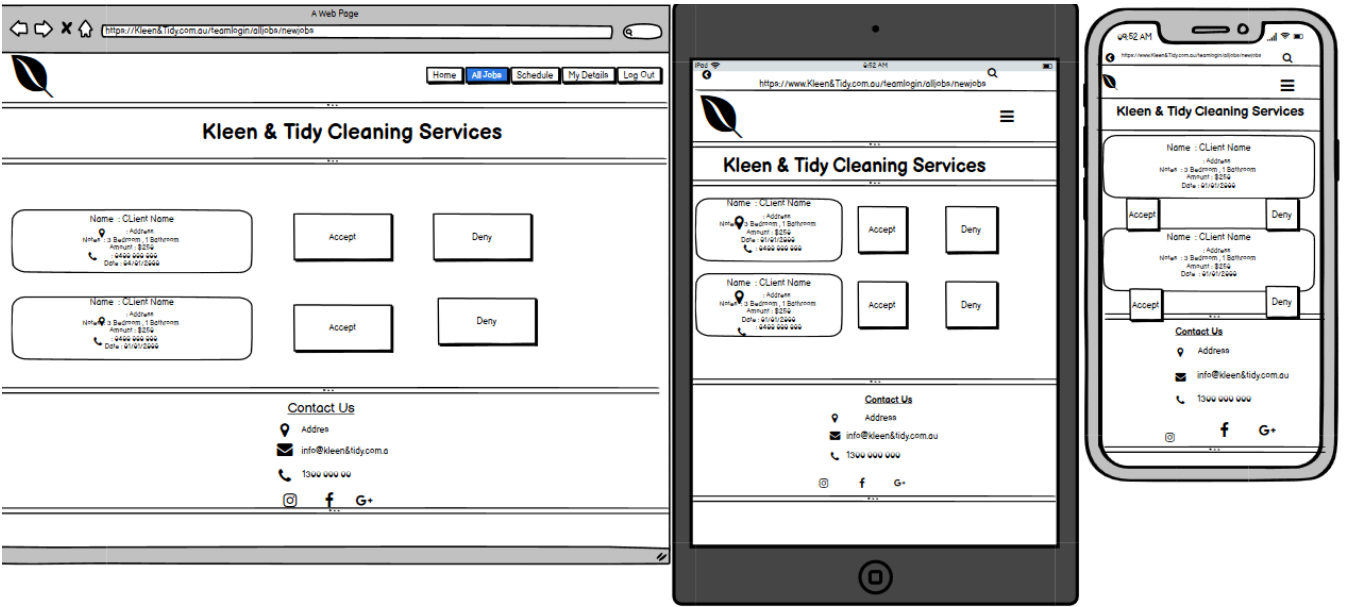
# Completed Job page

Desktop , Tablet and Phone View



## Re-Clean page

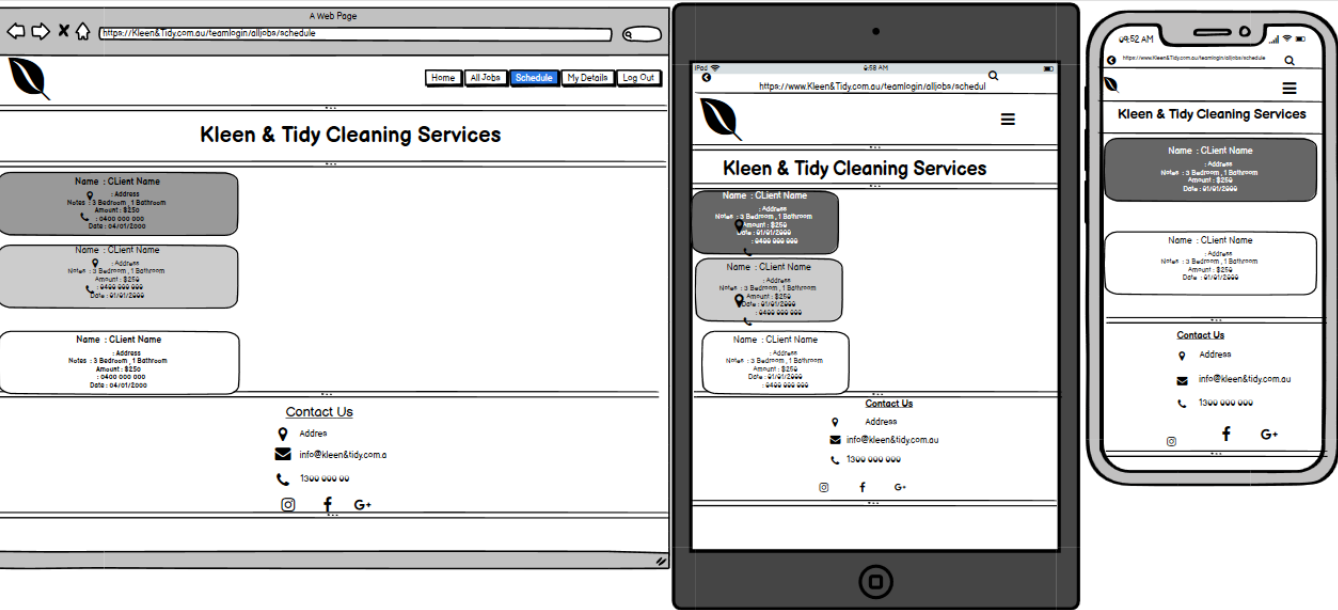
### Desktop , Tablet and Phone View



## Schedule page

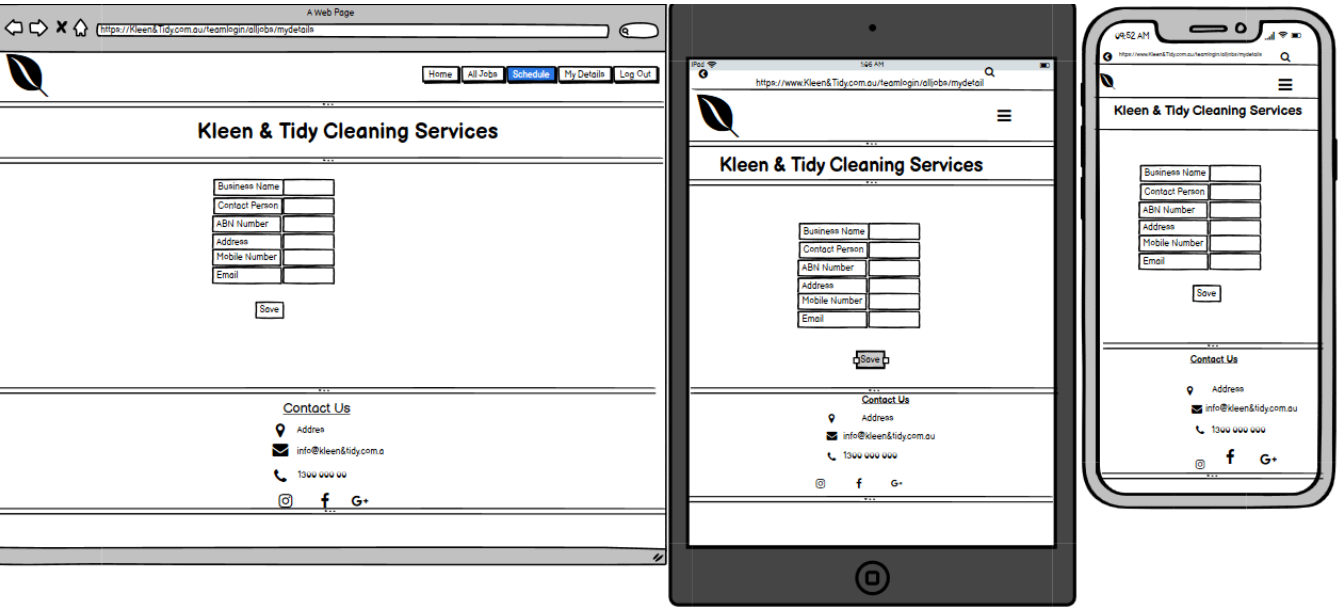


Desktop , Tablet and Phone View



My Details page

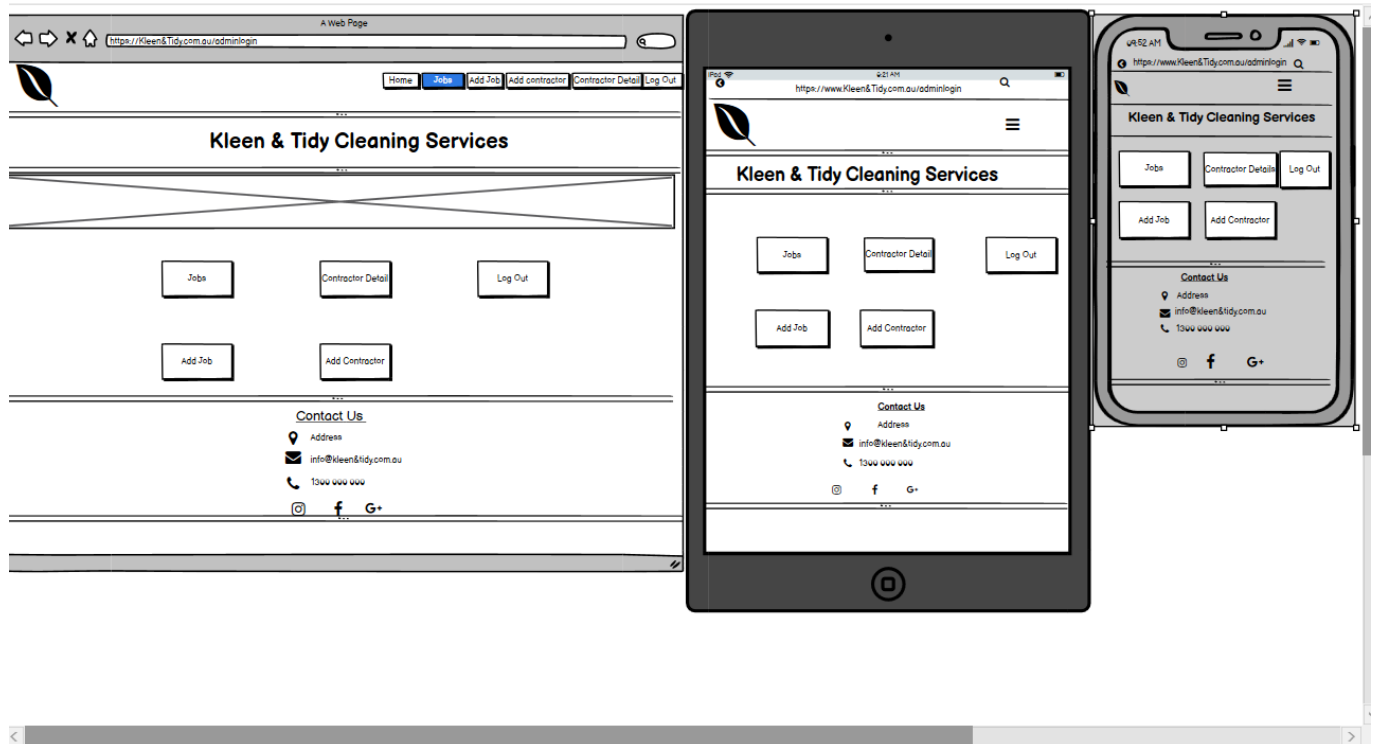
Desktop , Tablet and Phone View



## Admin Home Page

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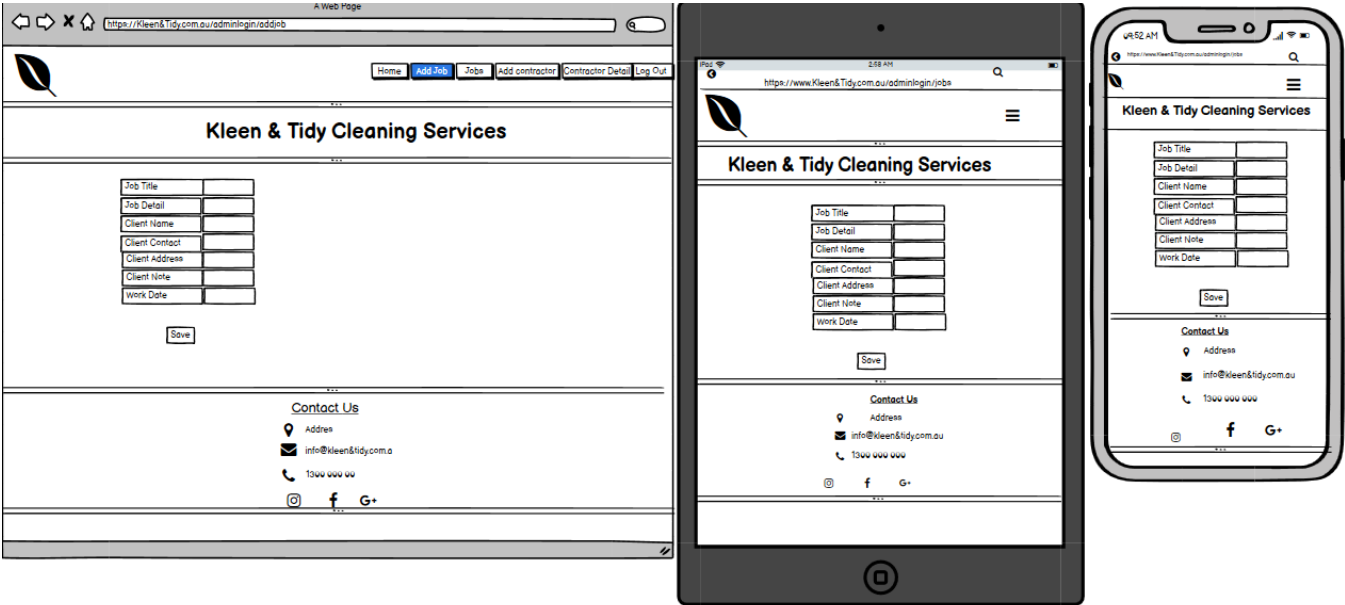
Desktop , Tablet and Phone View



## Admin Add Jobs Page

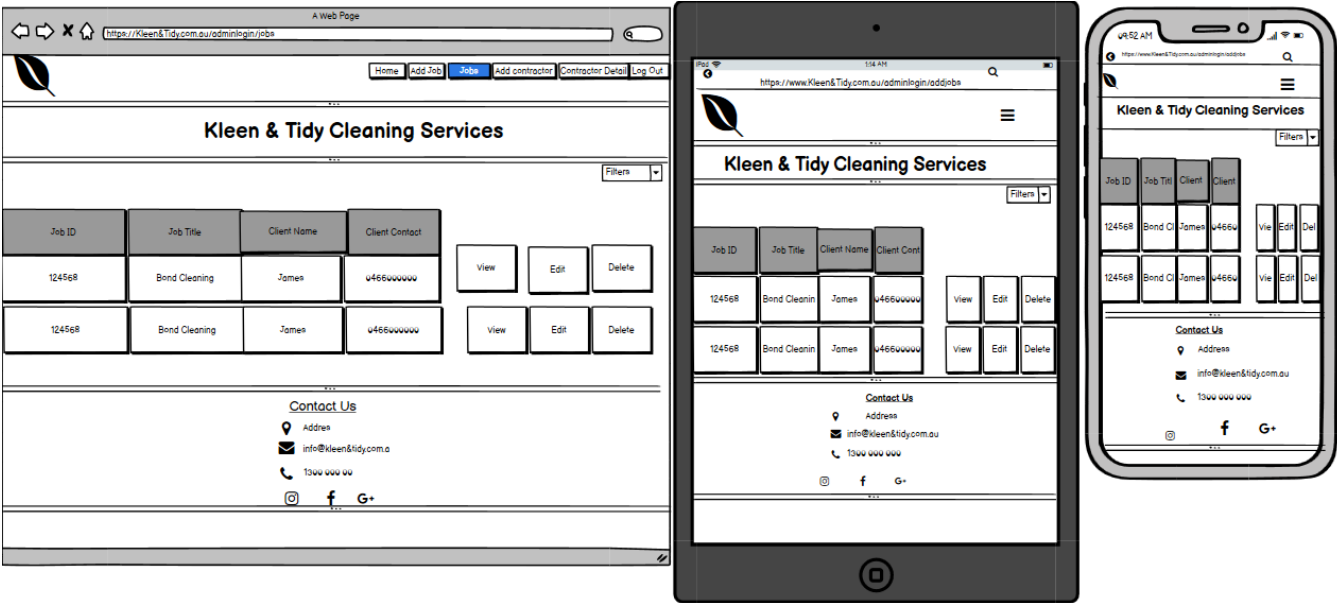
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Desktop , Tablet and Phone View



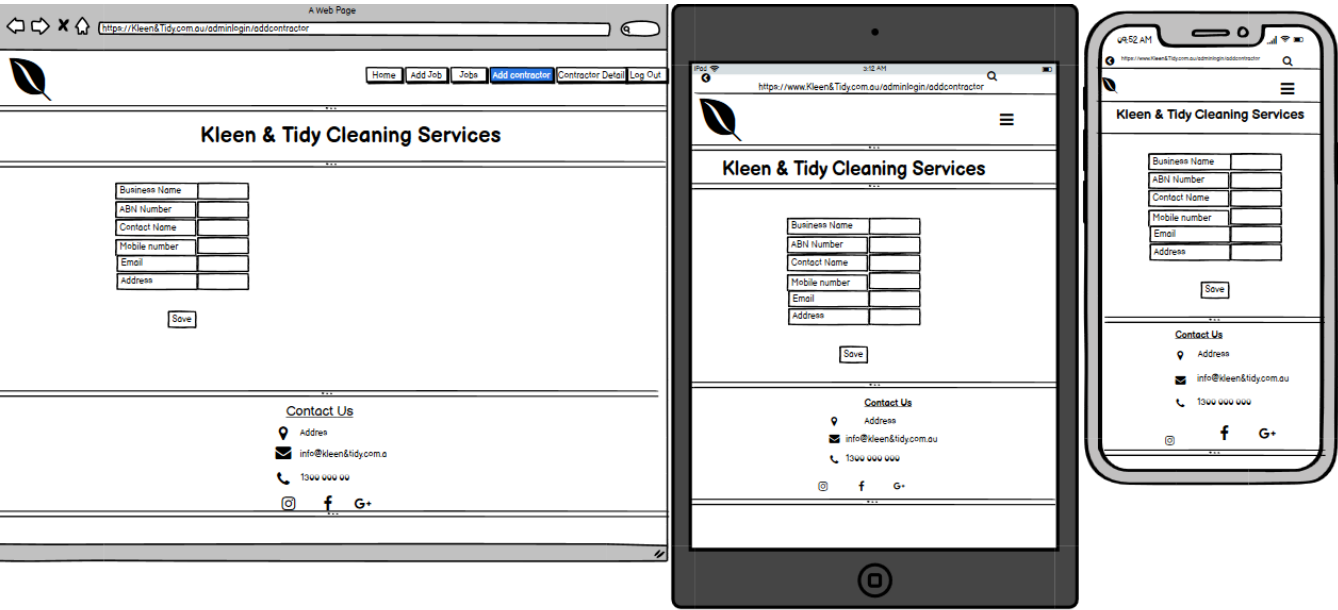
# Admin All Jobs Page

Desktop , Tablet and Phone View



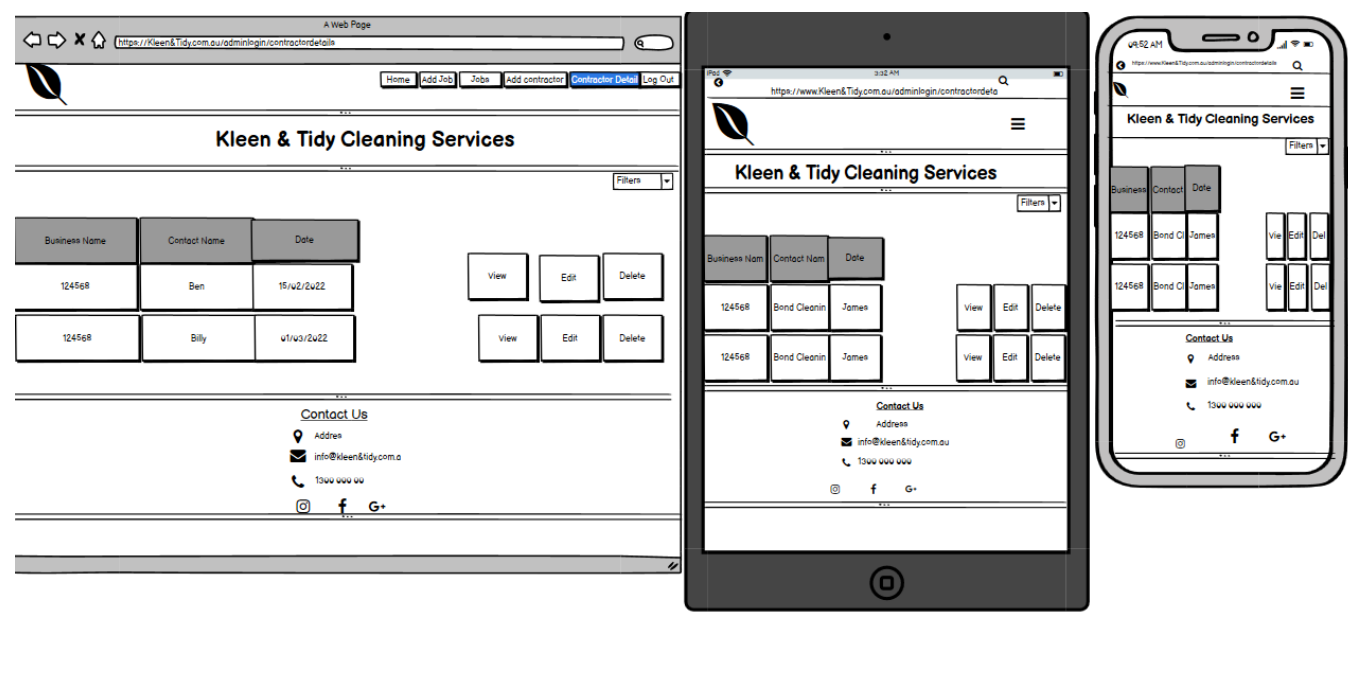
# Admin Add Contractor Page

## Desktop , Tablet and Phone View



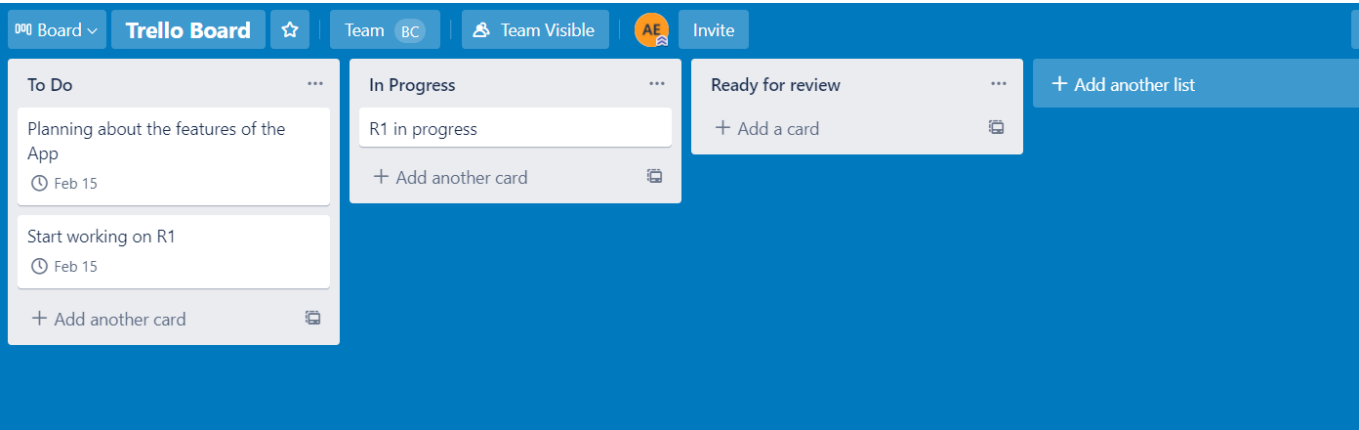
## Admin Contractor Details Page

### Desktop , Tablet and Phone View

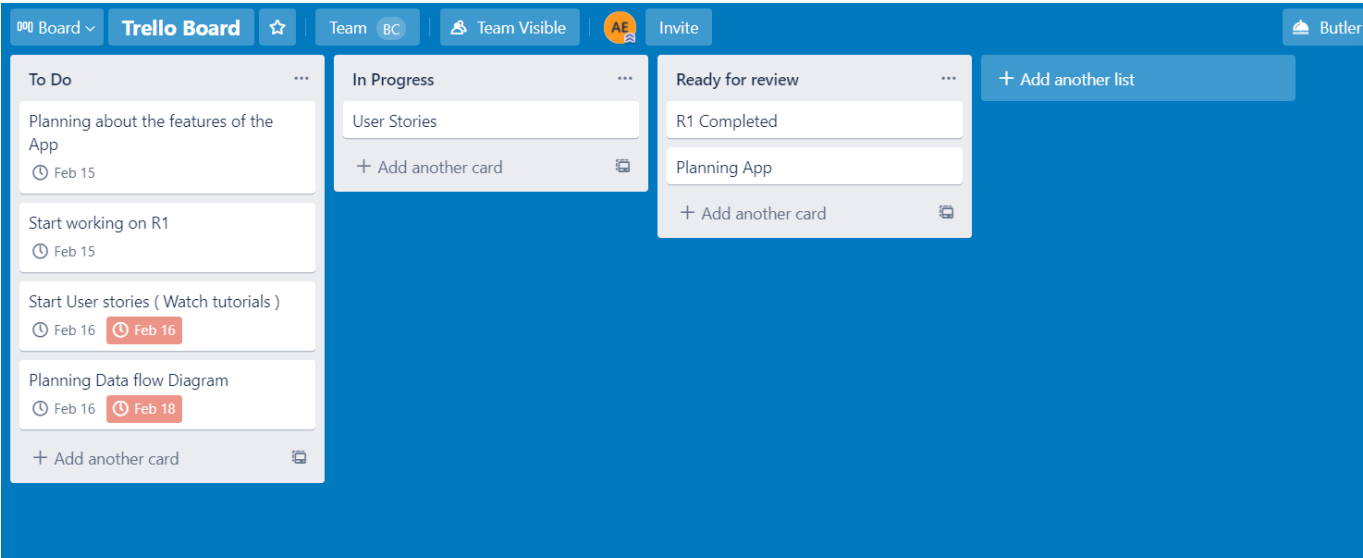


R6 Screenshots of your Trello board throughout the duration of the project

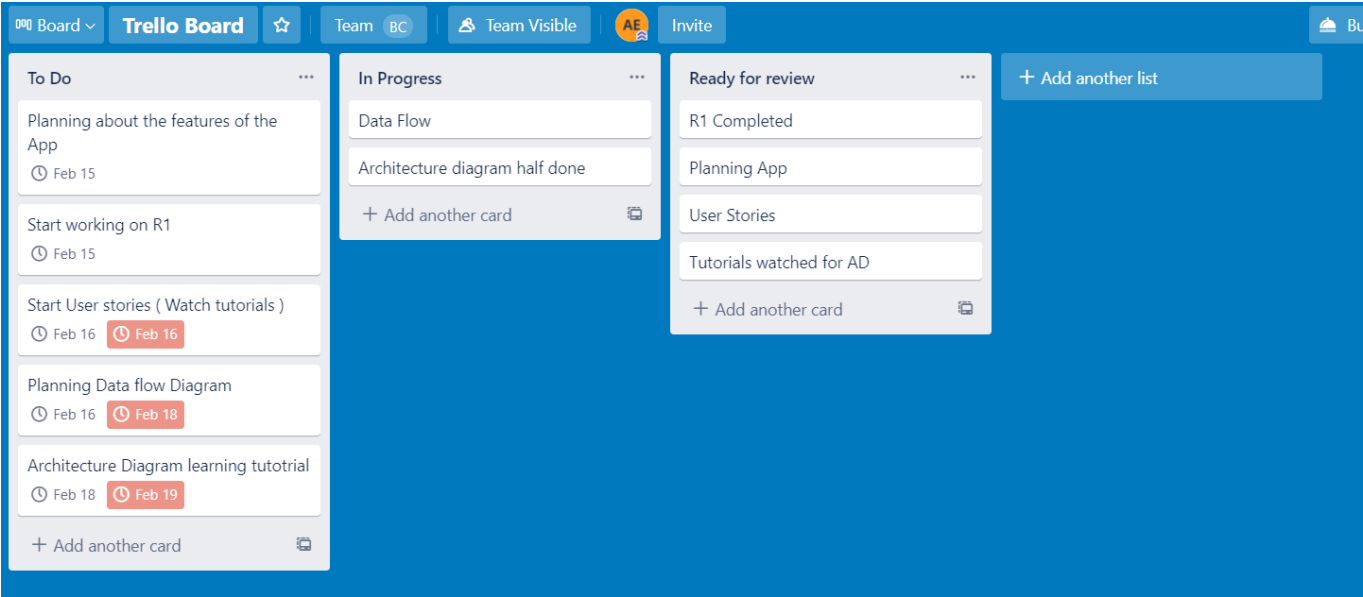
February 15th Trello



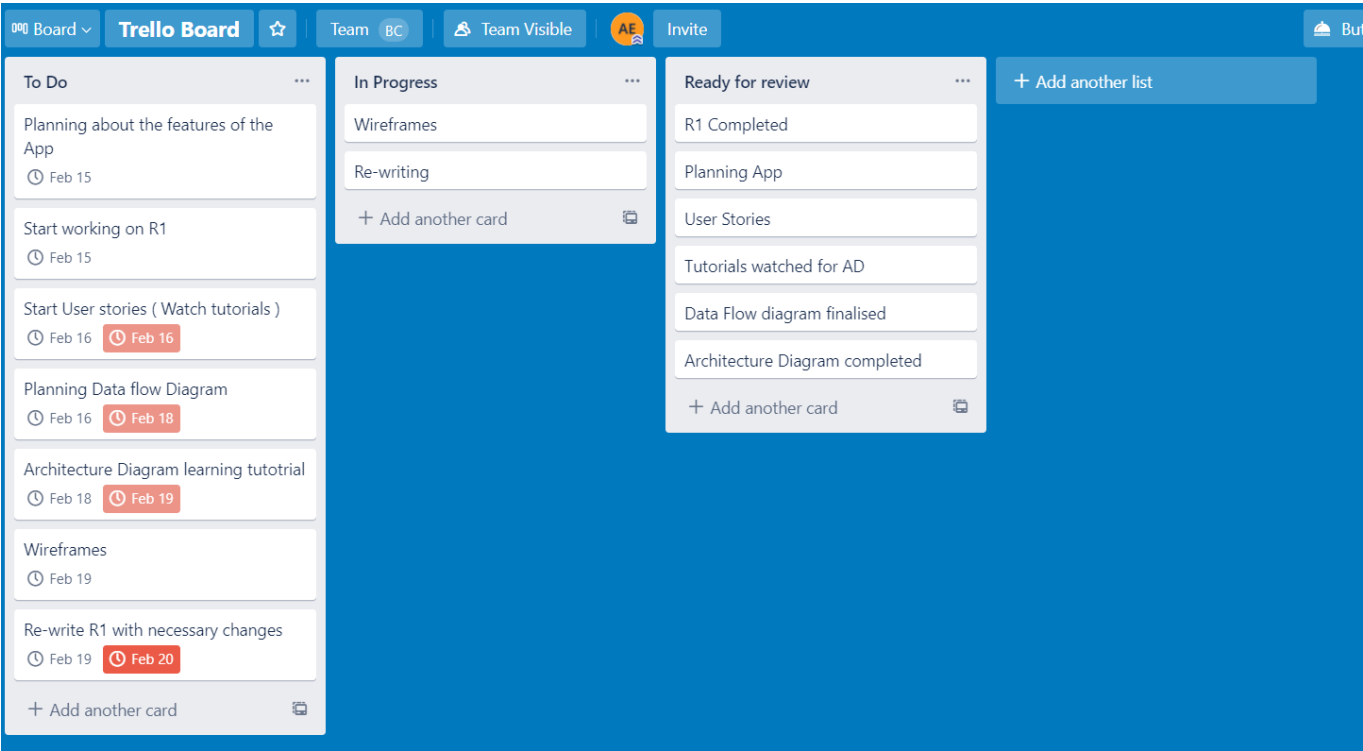
February 16th Trello



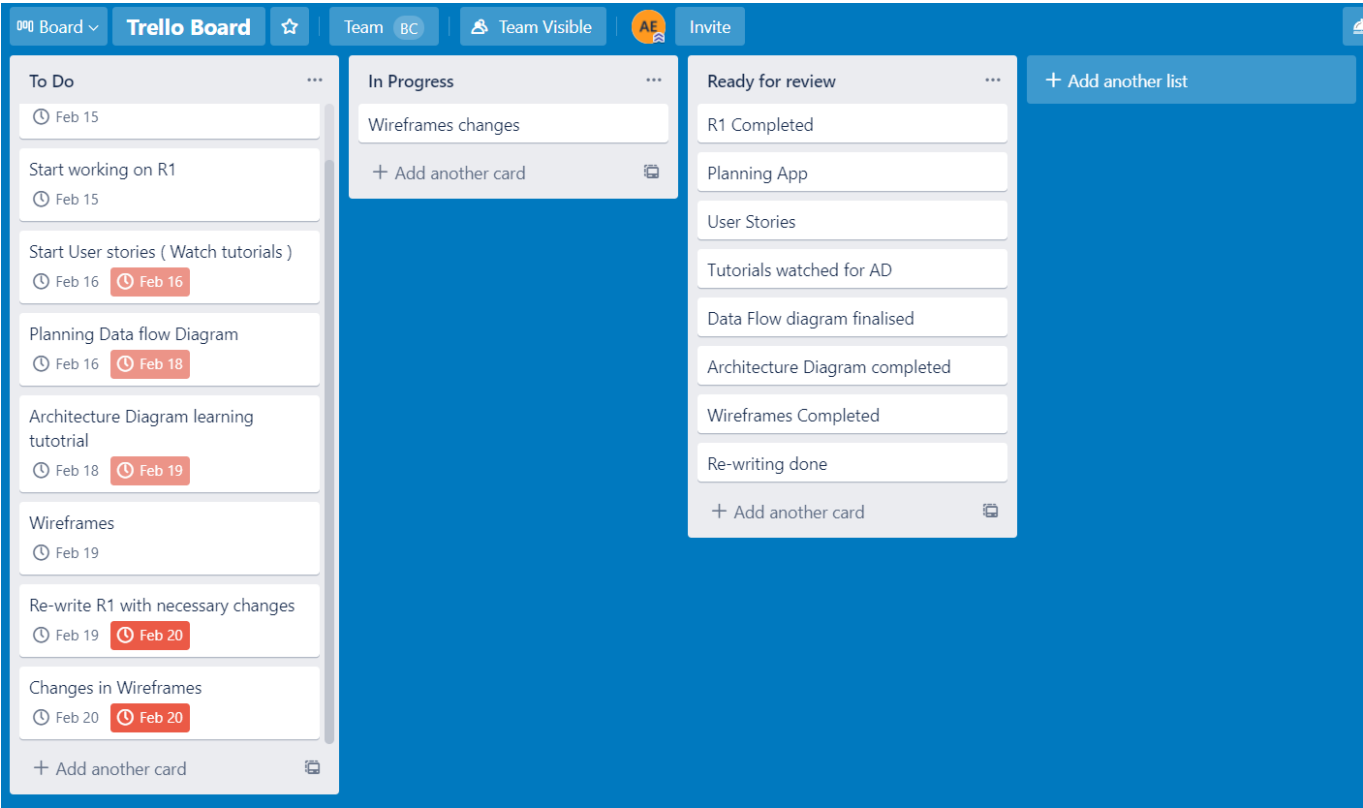
February 18th Trello



February 19th Trello



February 20th Trello



February 21st Trello

Board

Trello Board

Team BC

Team Visible

Invite

To Do

Feb 16 Feb 16

Planning Data flow Diagram

Feb 16 Feb 18

Architecture Diagram learning tutorial

Feb 18 Feb 19

Wireframes

Feb 19

Re-write R1 with necessary changes

Feb 19 Feb 20

Changes in Wireframes

Feb 20 Feb 20

Review all the Questions of assessment

Submit Assessment

Feb 21

In Progress

+ Add a card

Ready for review

Assessment Reviewed and Submitted

R1 Completed

Planning App

User Stories

Tutorials watched for AD

Data Flow diagram finalised

Architecture Diagram completed

Wireframes Completed

Re-writing done

+ Add another card

+ Add another list