An Aerospcase Client

PORTFOLIO EXAMPLE

BRING THE CREATIVE

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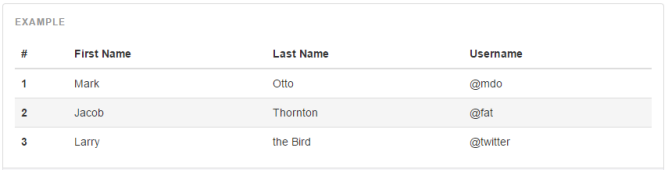
PORTFOLIO EXAMPLE

PROJECT OVERVIEW

This was for a client in the Aerospace industry. This initial phase of the project involved rebuilding a feature that passed notes from one shift to another. The notes were placed into four different categories. The initial phase was used as a proof of concept to test the feasibility. At a high level the purpose of the project to implement this feature while converting the entire application from Angular 1.X to 2.X. The current project was implemented in Angular 1.x and was in a DEMO/alpha phase. This feature was not part of the current application however this was a suitable testing environment for an updated design and layout.

STATE OF CURRENT PROJECT

Currently the project has a feature designed with four Bootstrap Accordion elements for the four different categories. Within each Accordion element is a Bootstrap Table showing the Data. *(See Example below)*



GOALS

PROJECT GOALS

Goals	Old Mock up	Current Mock up	New Mock up
Must be responsive	✗	✗	✓
must have four different filters	✓	✓	✓
Must have a way to add message	✗	✗	✓
Must have a way to edit message	✗	✗	✓
Must have a way to delete message	✗	✗	✓
Nice to have's notification of update	✗	✗	✓
Nice to have Search	✗	✗	✓

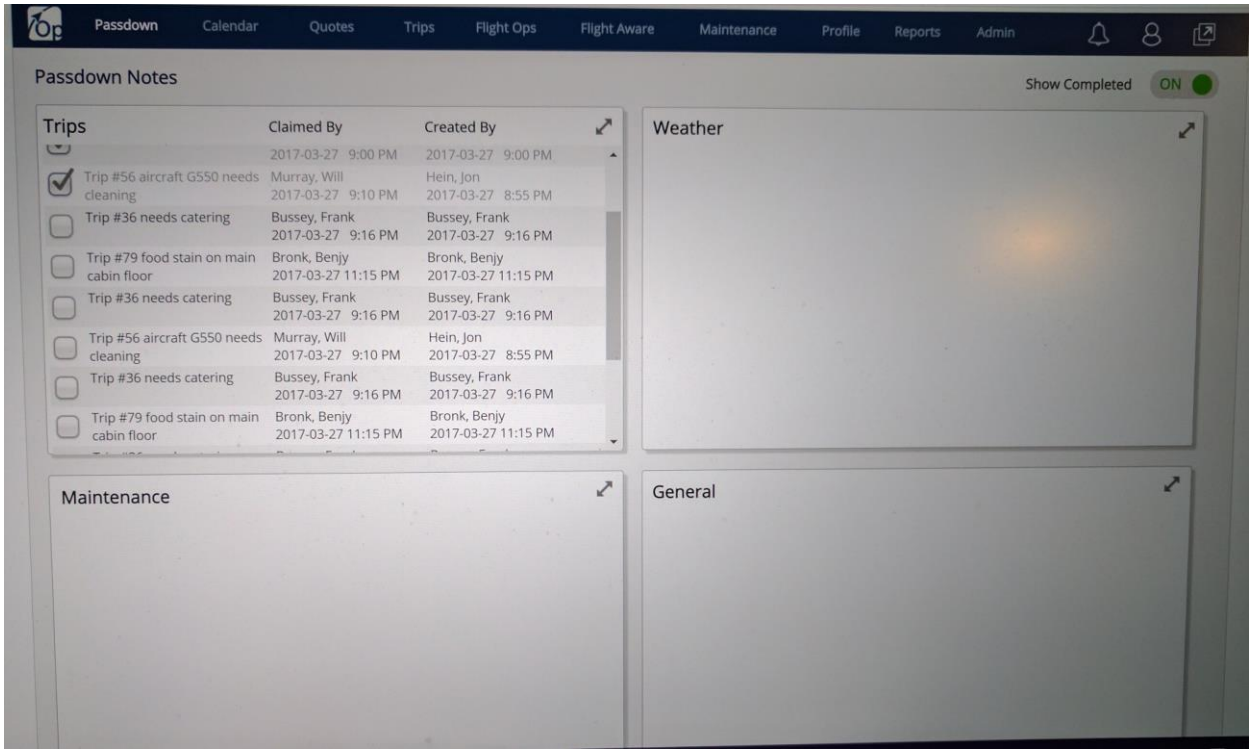
THE CURRENT MOCK-UP

Upon arrival of the project this was its current state. *(See Design Below)*

The Idea of cards for separating the categories was a good theory. The implementation was flawed. By adding tables to the cards this creates a serious design flaw. The scroll function of the page begins to disrupt the scroll on the tables within the cards. All competing for the users touch when viewed on a mobile or tablet. There is also no really good way to organize the Data or good responsive way of delivering the data to the browser without a hack to the Bootstrap Table. This method is far less effective than using div's

The user can also expand the entire card and view the categories fuller screen. This idea was not bad in theory. Again, a little flawed in the approach. This should be a very seamless action. More deliberate in the approach.

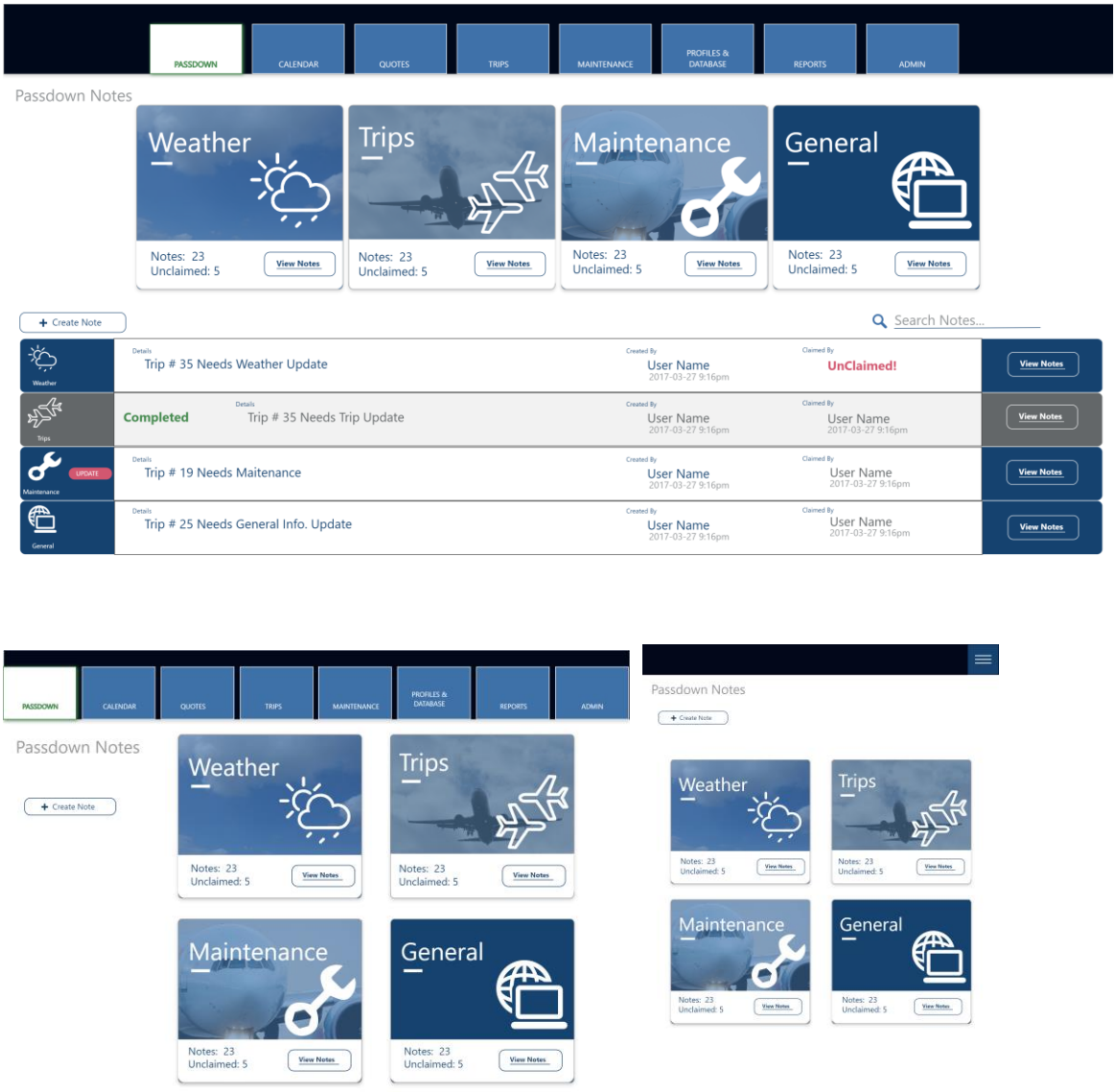
Another obstacle not demonstrated in this screen shot is when a user clicks on a table item it will then enter into some sort of edit mode. (The details of this were not described to me very well.) The selected table rows would then turn cells into inputs and the user would then be allowed to make inline edits to the data to that row/cell. The concept of this would work okay in a web application however, this does not translate into mobile. Also, take in to count the user is also trying to scroll within the table. Another very important flaw overlooked. There is a more useable approach for this described in the recommendation.



THE RECOMMENDATION

See the click through on Invisionapp Enter password: Potfolio1

The recommendation was really quite simple. Continue on with the idea of cards. However, used them more like they were intended. Let's begin at the top of the page. 4 Callout Graphically Designed Cards. These callouts give vital info regarding the notes contained in category. They also apply the category filter to the data returned.

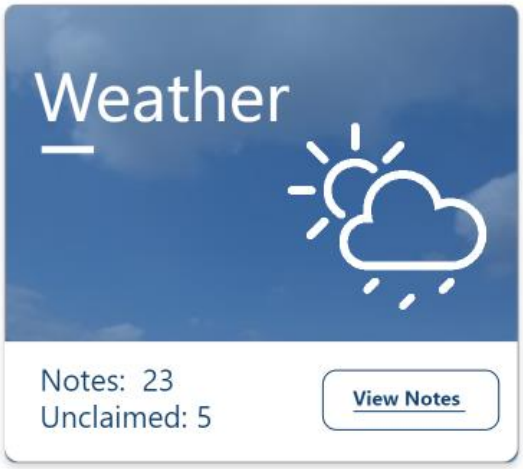


Feature Page in LGDesktop and IPad Portrait and Landscape

Below the entire Dataset is returned to a predetermined state. However, using Div's instead of a table because the project is developed Angular 2 and ideally the UI should be developed around Angular 2 components.

This point in the app there are only three main components. The callout boxes at the top are one. the return data is the next. Design once then hook up Angular Data Binding and NG repeater.

Then the Create Note component.

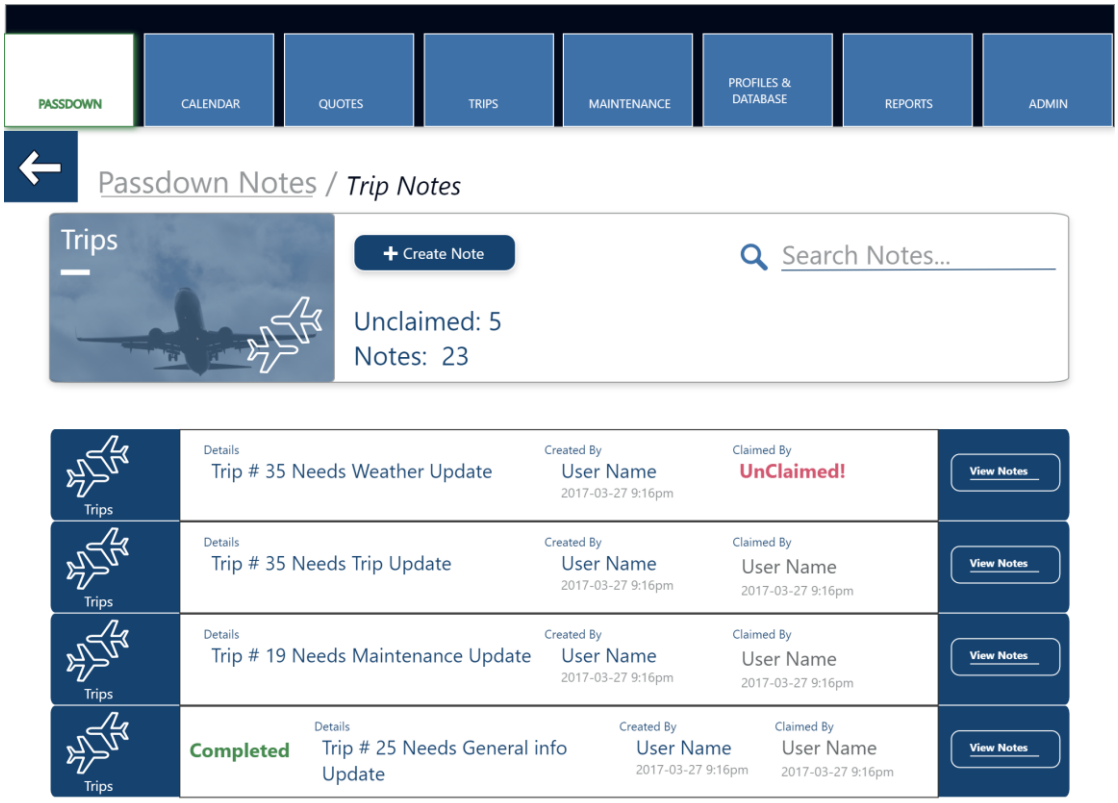


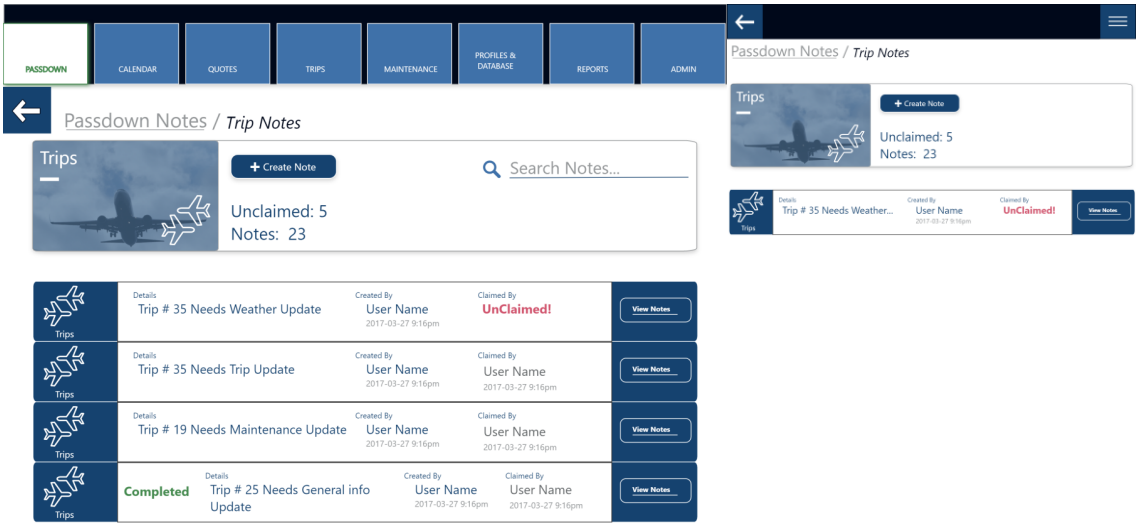
The callout box at the top. One of the main components applies the category filter for the dataset and provides important details about the category and displays it to the user.

Return data built using div's. The content is being displayed more elegantly. The actual note becomes more easily defined and understood. The use of icons color-coded and typography all translate well into a good user experience.

The add button. Provides a very clear link to the add note view. Instead of editing or adding notes inline it becomes more user friendly across all platforms.

Upon selecting the Category, the page would then filter the dataset to show all notes in that category. Altering the top of the view by expanding the selected Call Out card to the entire width and hiding the unselected Call Outs to identify what filter is applied. Adding a Back button.

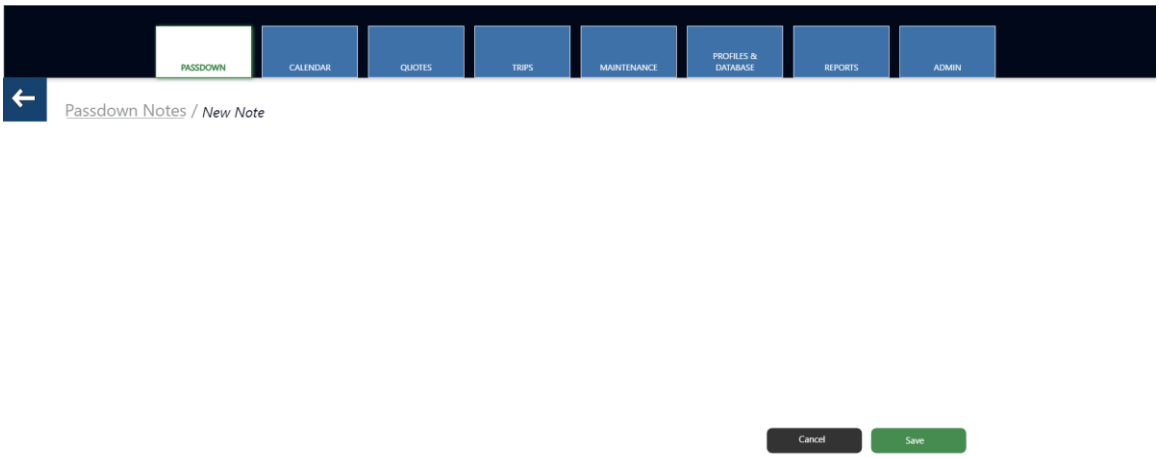




Category Page in LGDesktop and IPad Portrait and Landscape

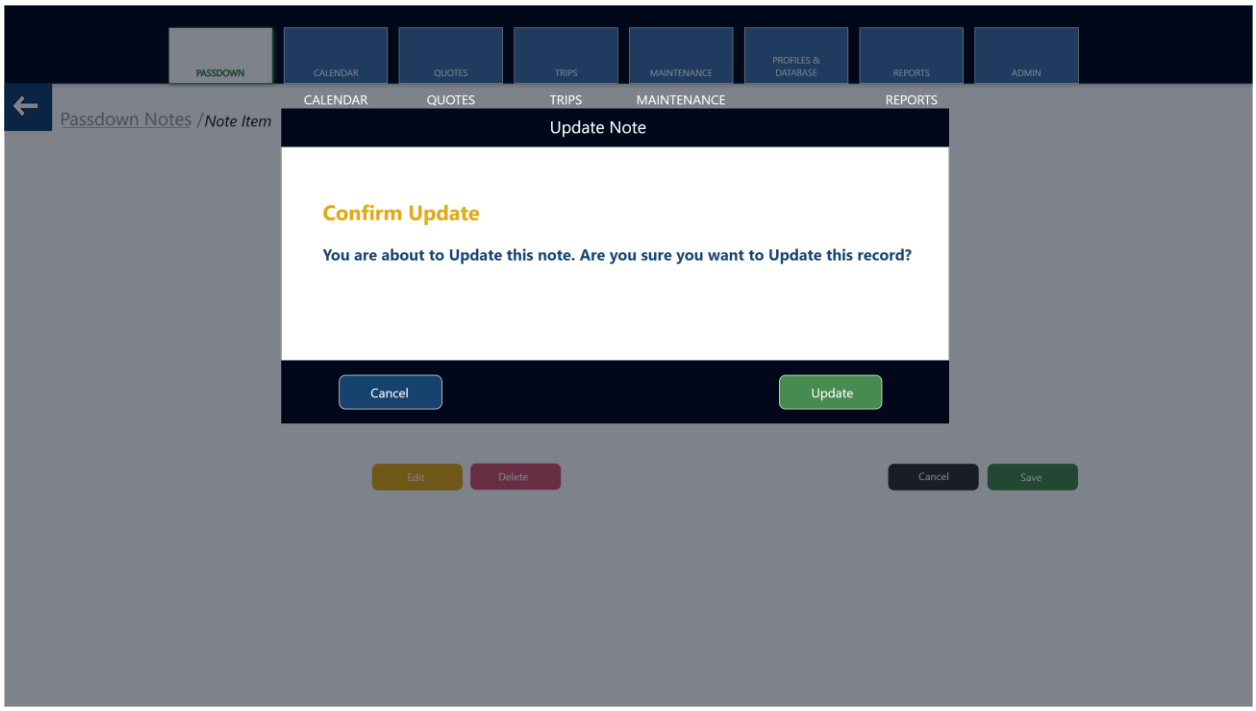
The next few slides show the adding and removing process. The forms were blank because at the time the form content was not adopted yet. Basically, the user will be allowed to view edit and delete existing notes. They will also be able to add new notes.

ADD NEW

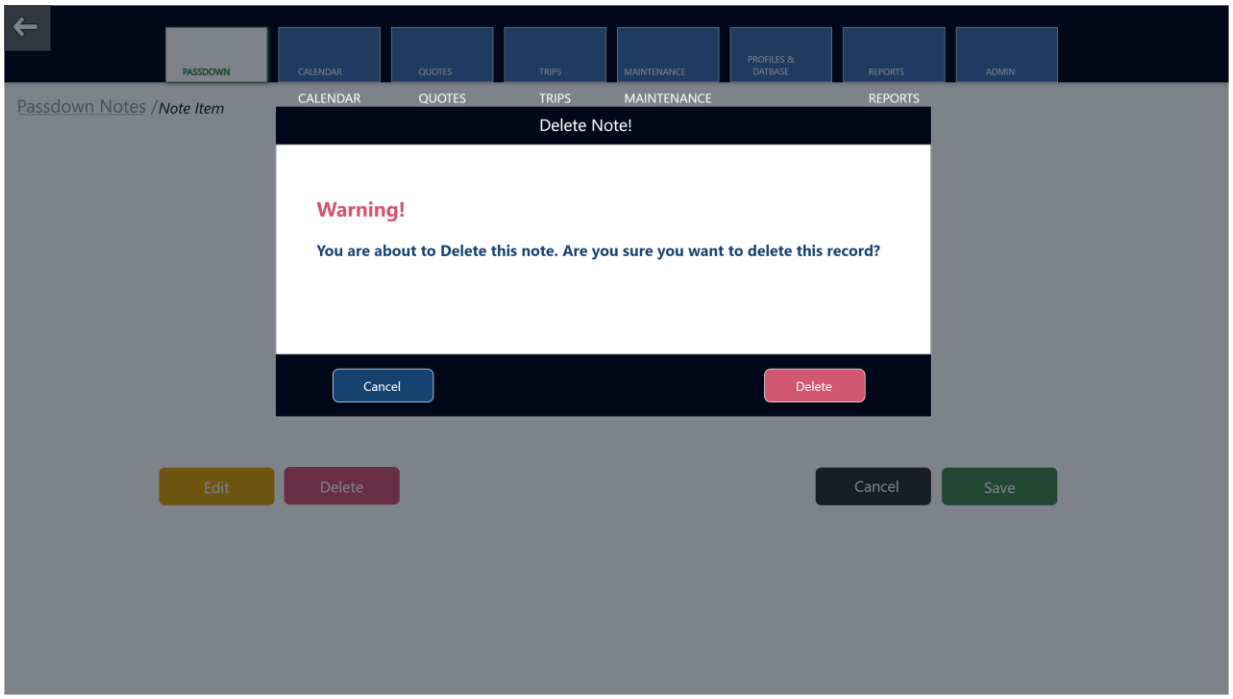


EDIT

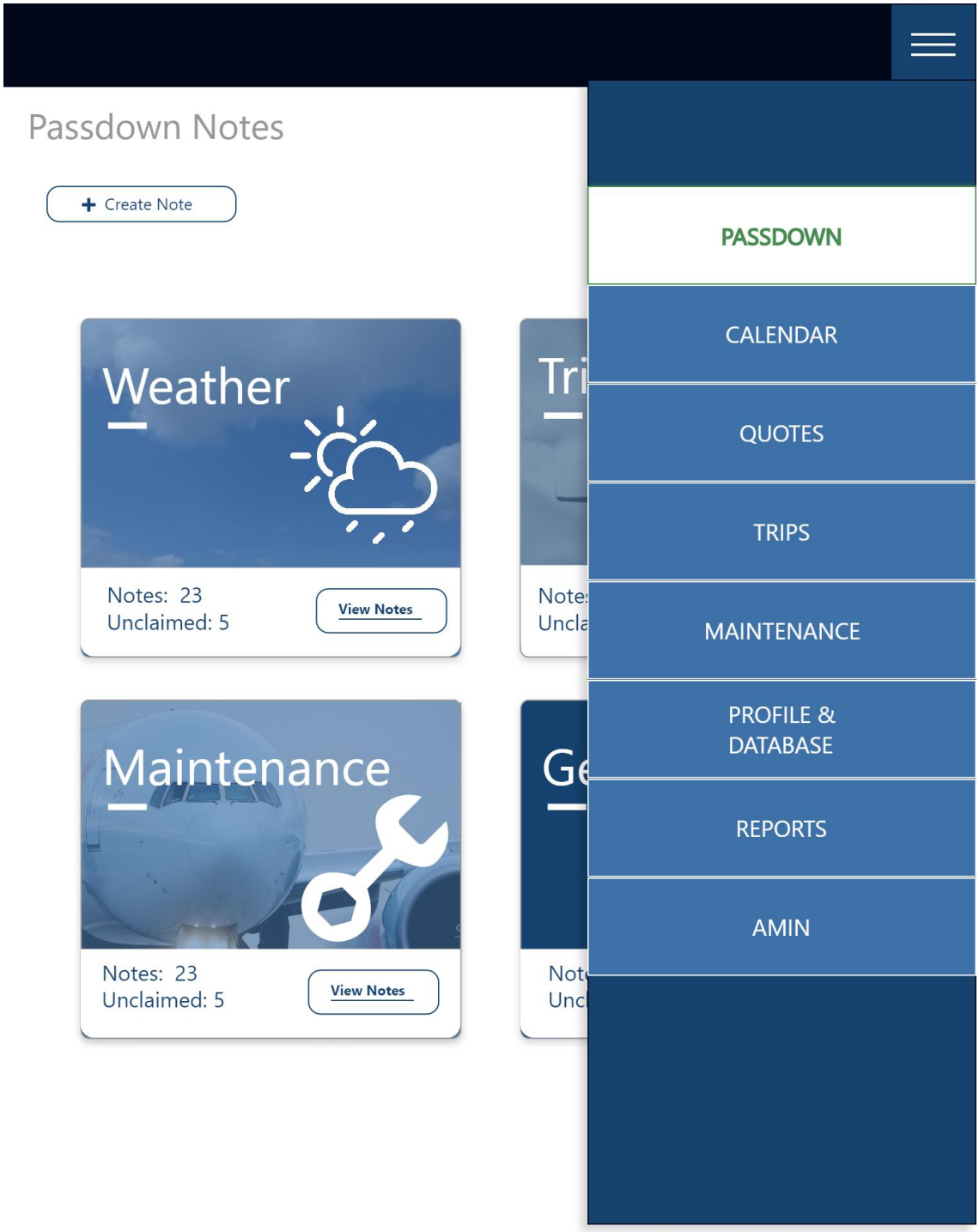
CONFIRM EDIT



CONFIRM DELETE



NAV FOR THE IPAD PORTRAIT



RECOMMENDATIONS FOR FUTURE DEVELOPMENT

On exit of this project it was my recommendation to the design and dev team.

1. Continue to explore standards around mobile and responsive design. Understand how to design around the technologies that they are developing with.
2. Explore the possibility of converting to Ionic 2. This project was designed to be used on a IPad or a desktop device. There was no reason not to harness native IOS features and it is being coded in Angular 2 anyway.
3. Learn more about native touch functions of mobile dev.
4. Stop using tables everywhere!