

Criterion B

Versioning

Version 1

The log-in system and ability to add and remove students with different rankings works.

Success Criteria Met: 1 2 3

Version 2

Show, get, delete and update product list

Success Criteria Met: 5 6 7

Version 3

Checkout System works with totalling functions and stock updates based on basket checkout.

Success Criteria Met: 8

Version 4

Writing of transactions, totalling of transaction categories and graphing capabilities

Success Criteria Met: 9 10 11

Version 5

Connecting Cloud Firestore to app and adding admin-specific functionality to app

Success Criteria Met: 4

Testing Criteria

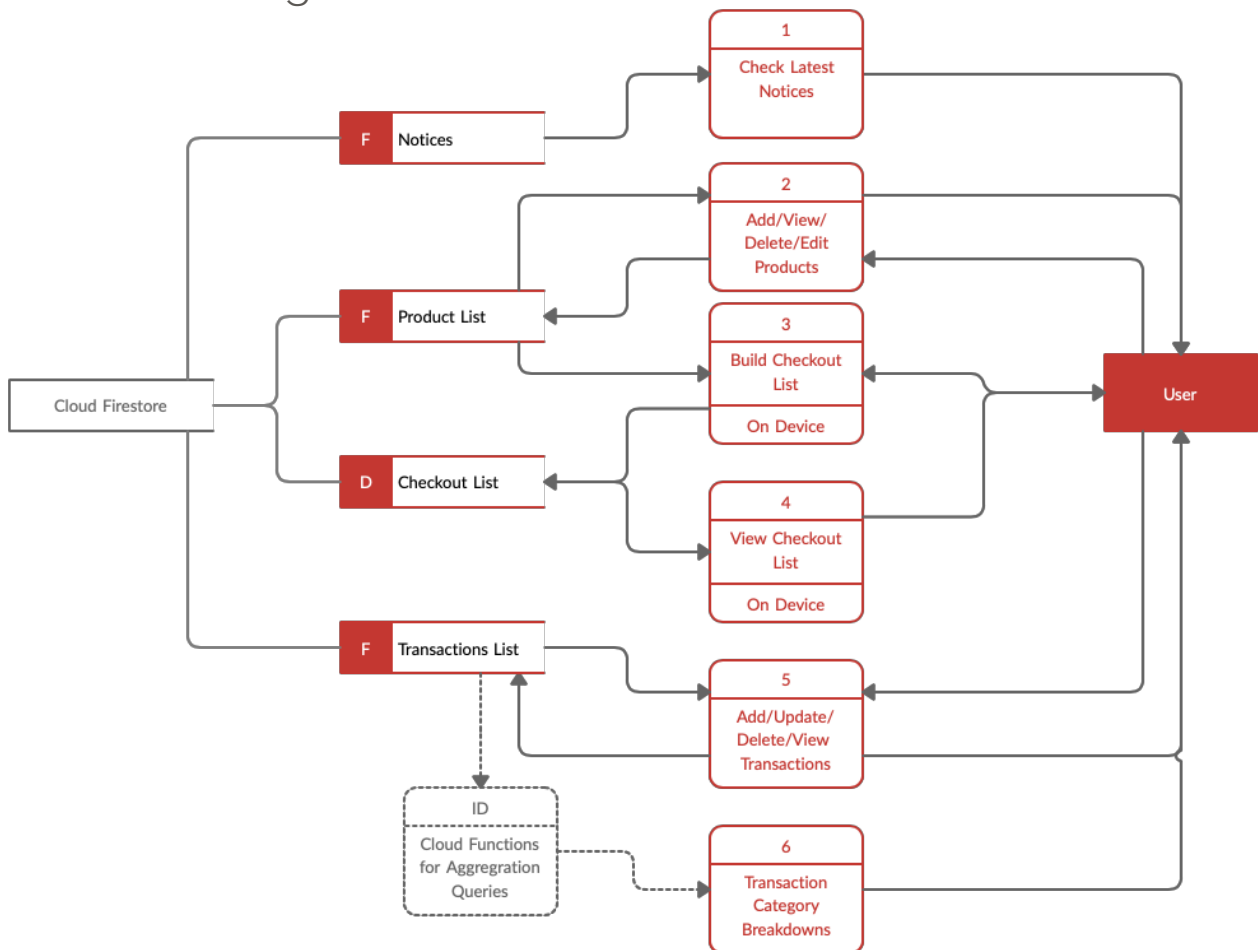
Test Number	Success Criteria Addressed	Test Description	Result
A	1	Add new Student Council member, entering their name and position and create a password from advisor's account settings	A new member should be added to the database and be given certain privileges
B	1	Remove existing member using advisor's account settings	Selected member should no longer be able to log in to the app and displays an error message.
C	2	User enters in wrong username and password.	The app does not log in, displaying an error message for wrong username and password
D	2	Sign in with an incorrect username and password	Error message showing error in credentials/password length too short/no credentials entered
E	3	User enters in username and password on two separate devices correctly.	Both devices log in and display relevant user details.
F	4	User enters data on one device	The data is synced across to another device and shown
G	5	User adds taps plus button under Stock Section	New dialog opens with form for new product.
H	5	User holds down on product and clicks delete.	A confirmation appears and the item is deleted.
I	6	User enters in data about product after tapping plus button under Tuck Shop Stock Section.	Data is stored on database and is available to view on device.
J	6	User taps on product under Tuck Shop Stock Section	Dialog appears showing a window to update the current product information.
K	7	User goes to Tuck Shop stock section.	Products are all displayed along with how many are left.
L	8	User taps on Checkout section to enter checkout	Products available are shown in squares with a section showing items in basket
M	8	User taps on multiple items to correspond with customers order.	Items are added to basket and showed on screen

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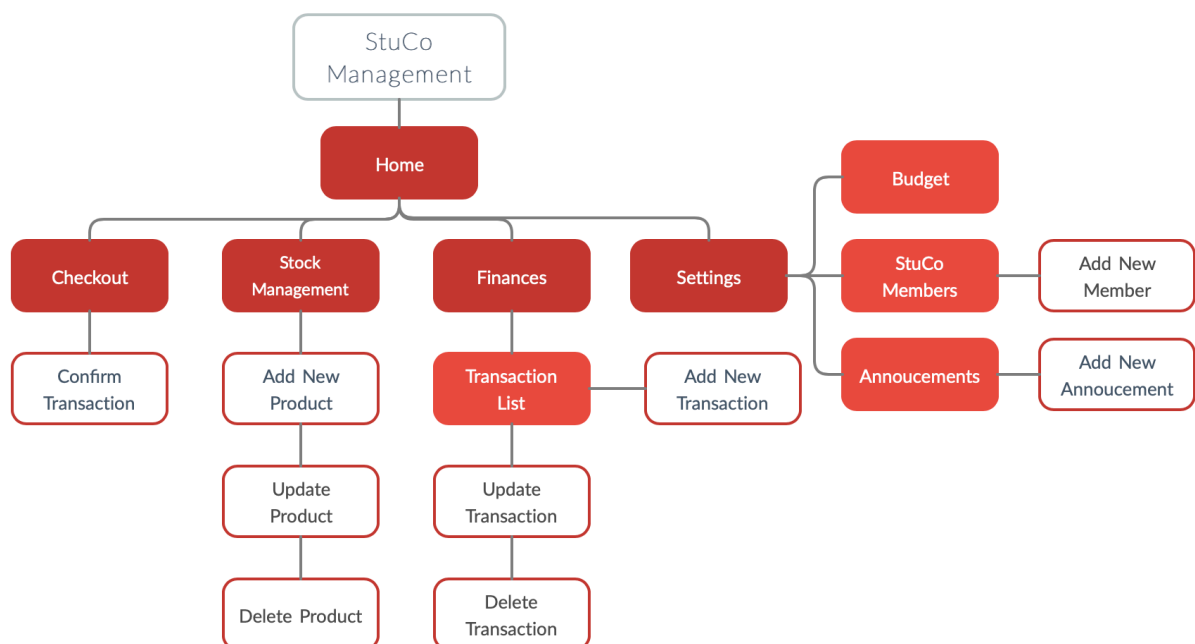
Test Number	Success Criteria Addressed	Test Description	Result
N	8	User clicks checkout	Screen appears showing total price and also selected items in basket are removed from the stock list, transaction added to Tuck Shop.
O	9	User taps on budget section	Number appears in large showing total profit and total expenditure and income
P	10	User taps on category	Category shows total expenditure and income from within the category
Q	10	User swipes on profit numbers	User can view separate graph breakdown of income and expenditure
R	11	User adds Transaction	Transaction is recorded in database together with time and transaction amount is added to either total Inflow/ Outflow of the category and the graph is updated
S	11	User clicks update Transaction	Dialog appears showing field for updating amount, when done, the transaction is updated together with either the category total Inflow/Outflow and the graph
T	11	User clicks delete Transaction	Dialog appears showing confirmation, when done, the transaction is removed and the category total Inflow/Outflow + the graph is updated to reflect changes
U	2	Sign in with User and see difference in UI	Admin users should be able to see add buttons, non-Admins unable to see buttons and make changes to the database
V	2	Carry out Tuck Shop Checkout with normal User	Transaction should be successful and added to the database like a normal transaction

Data Flow Diagram

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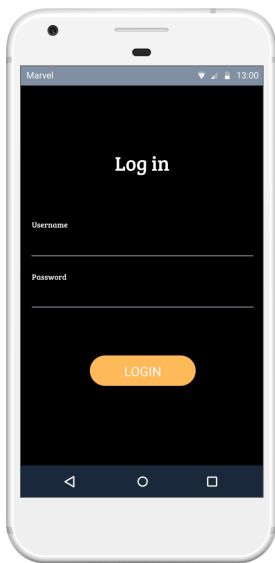


Hierarchy Diagram



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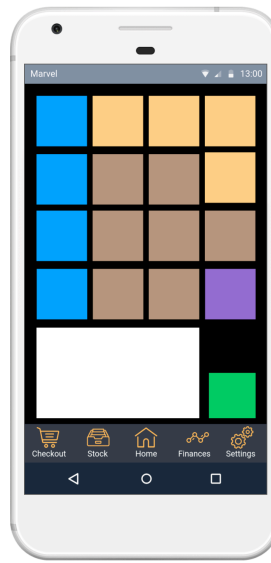
UI Mockups created using Marvel



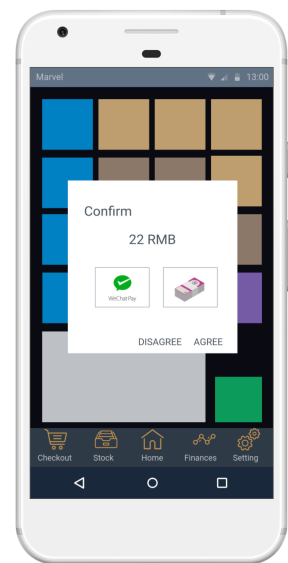
Login Screen



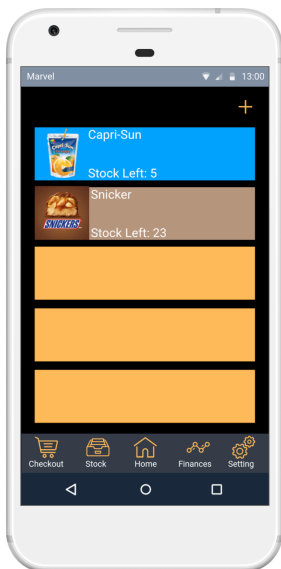
Home Screen



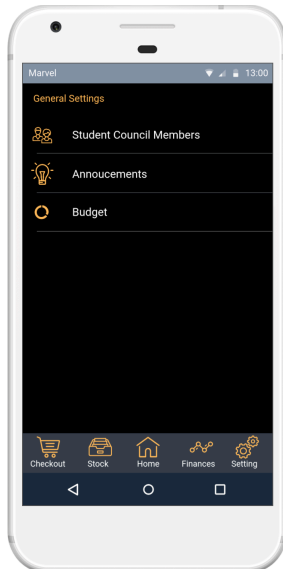
Checkout



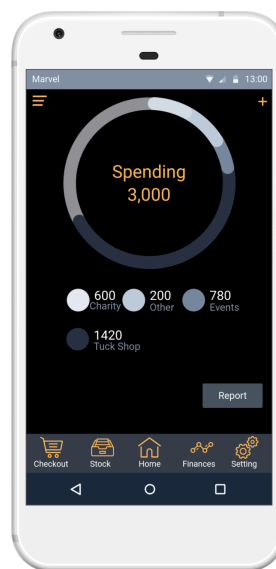
Confirmation



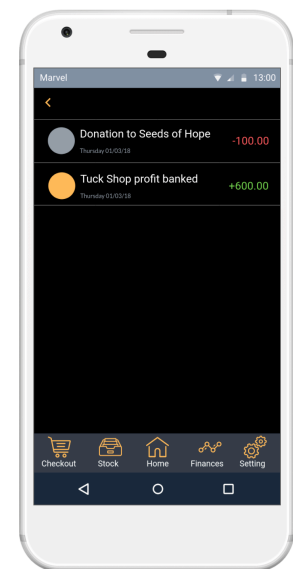
Stock List



Settings



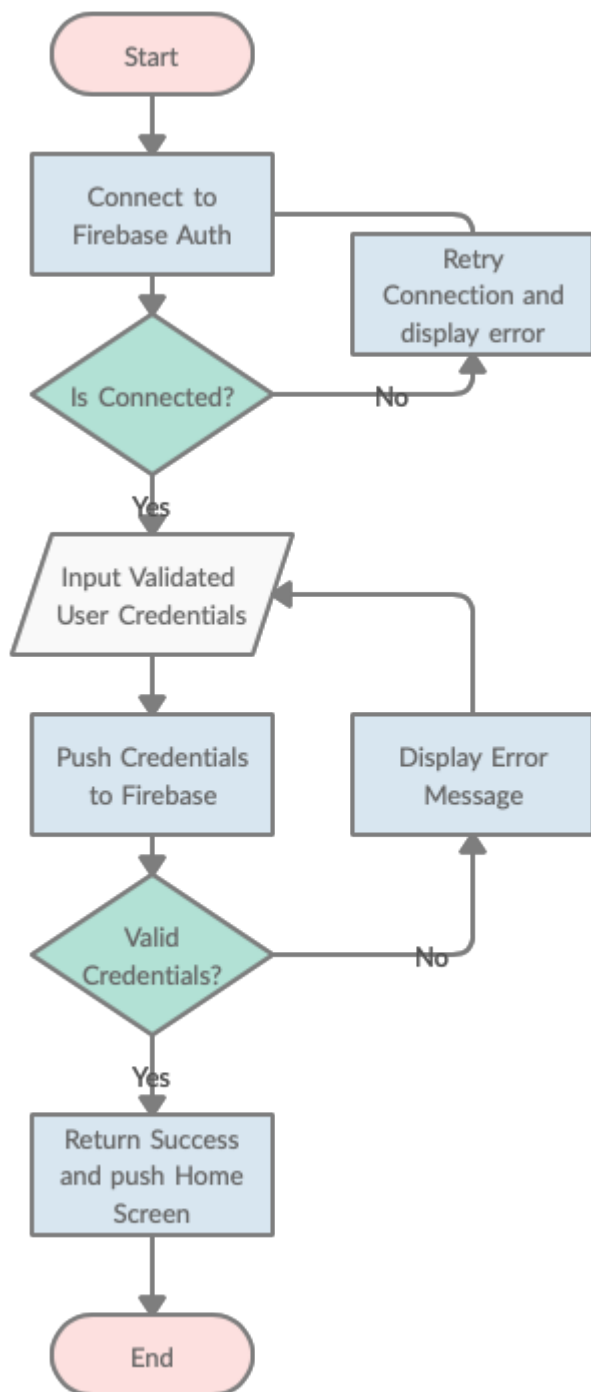
Finances Overview



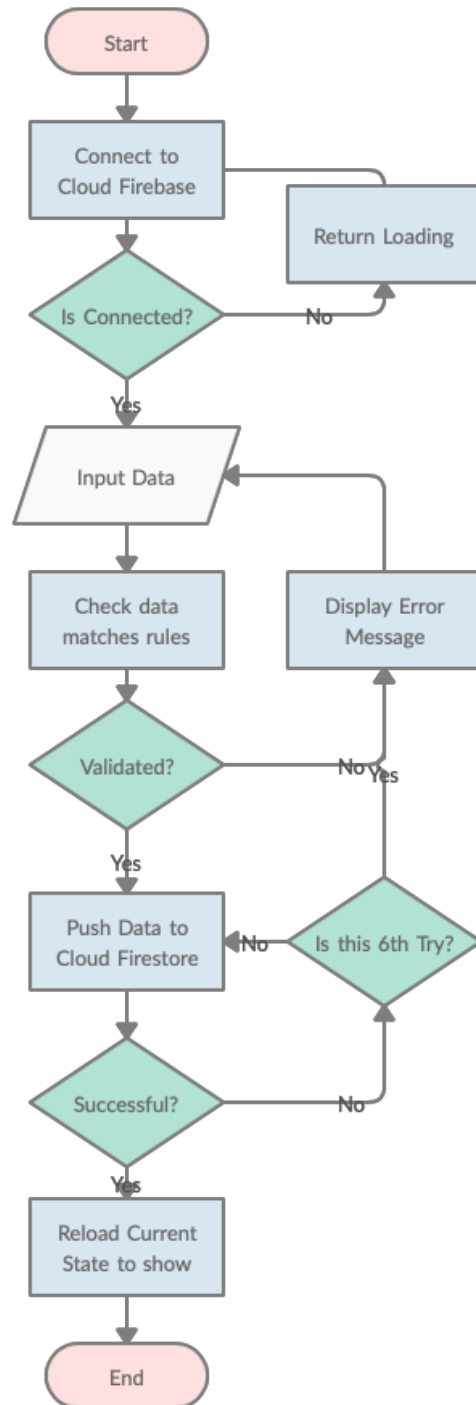
Transactions

Flowcharts

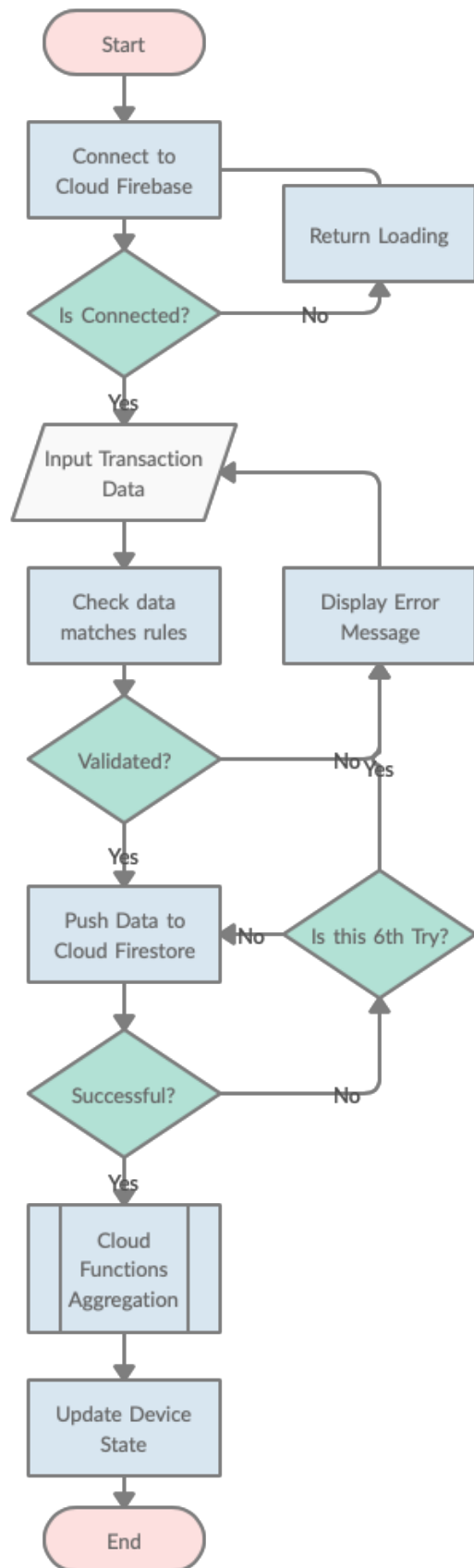
Login Procedure



Add/Update/Delete Notice/Product



Add/Update/Delete Transaction



Cloud Firestore Aggregation

