# Virtual Velocity Project Plan

**Project Team**

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**Links**

<https://github.com/TECHCareers-by-Manpower/capstone-project-virtual-velocity>

**How To Use This Application**

* This application is used for tracking expenses through a simulated banking application.
* You can create a new Client Account, create individual Chequing and Savings Accounts, and Create Transactions (in the form of Deposits, Withdrawals, and Bill Payments).
* As you add more Transaction data to your account, you will be able to view those transactions in a tabular format as well as a graphical representation.
* The Transaction Data can be filtered by time, allowing you to see recent transactions for only the last month. This helps the user get a better idea of 'where is my money going?' from a single location instead of having to think back over a period of days or weeks.
* If for any reason the user doesn't want to use the application and are concerned about their data, they can de-activate their account to prevent future access. Once an account is closed it cannot be re-activated by the user (this is intentional). Administrators can use SQL queries to re-activate accounts and any associated transactions.

**Project Scope**

Base Requirements

* Create a New Client, A new Account, or a new Transaction
* Display a list of Transactions, and a List of Accounts (for each client)
* Updates AccountBalance based on Sum of Transaction Balances (This update needs to occur every time a new Transaction is created)
* If we [Deactivate] an Account, all transactions are also deleted.

Stretch Goals

* How much of your income was consumed by your expenses this month?
* How much did you save this month?
* What % of your Expenses are Rent/Food/Vehicle/Utilities/Entertainment/Etc.
* What % of your Income do each of your expense categories consume?

Expanded Scope of Work (Replaces Base Requirements → Due to Scope Creep)

* Create a New Client
* Login to a Landing Page
* Create a New Account
* Close an Existing Account (isActive = 0)
  + If an Account is closed, all associated transactions are also 'closed' (isActive = 0)
* Create a New Deposit
* Create a New Withdrawal
* Create a New Bill Payment
* AccountBalance is Updated whenever a new Transaction is Posted
* Transaction List Page for each Account, showing a Table of Transactions

Expanded Stretch Goals (Replaces Stretch Goals → Due to Scope Creep)

* Account Transfer Page that allows the user to transfer money between accounts.
* FAQ Page, Contact Us Page, Careers Page
* Expense List Page for each Account, showing a Table of Expenses
* Expense List Page shows a Pie Chart that displays a % of each Expense Category
* Transaction Notification Page (whenever a Deposit, Withdrawal, or Bill Payment is processed, give the user a transaction UUID they can keep for records)
* Account Created Page (Whenever an account is created)
* Account Closed Page (Whenever an account is closed, notify the user that data is safe)

Abandoned Stretch Goals

* How much of your income was consumed by your expenses this month?
* How much did you save this month?
* What % of your Income do each of your expense categories consume?

**Schedule**

All **Planning Tasks** to be completed by Nov 18th. Some **Planning Tasks** are due by Nov 13th in order to allow **Design Tasks** to begin on Nov 13th and give 12 Days to complete **Design** **Tasks**. Aim for **Design** **Tasks** to be completed by Nov 25th, allowing flexibility if additional time needed. **Polish Tasks** will begin on Nov 25th assuming completion all Design Tasks are complete, and will have until Dec 4th to complete Polishing and Testing. **Presentation Tasks** start on Dec 4th and only include a Dry run and the actual presentation. No New Components after December 1st unless we really need them.

|  |  |  |
| --- | --- | --- |
| Task / Deliverable | Start | End |
| **PLANNING TASKS** |  |  |
| Project Proposal | 11-Nov-20 | 12-Nov-20 |
| Figma Layouts | 13-Nov-20 | 20-Nov-20 |
| Scope Of Work | 13-Nov-20 | 16-Nov-20 |
| Initial Project Setup | 13-Nov-20 | 16-Nov-20 |
| Seed Data | 13-Nov-20 | 16-Nov-20 |
| Scope Splitting / Tasks | 12-Nov-20 | 18-Nov-20 |
| **DESIGN TASKS** |  |  |
| [Page] Login | 13-Nov-20 | 25-Nov-20 |
| [Page] Create Client | 13-Nov-20 | 25-Nov-20 |
| [Page] Landing Page | 13-Nov-20 | 25-Nov-20 |
| [Page] Transaction List | 13-Nov-20 | 25-Nov-20 |
| [Page] NavMenu | 13-Nov-20 | 25-Nov-20 |
| [Page] Deposit | 13-Nov-20 | 25-Nov-20 |
| [Page] Withdraw | 13-Nov-20 | 25-Nov-20 |
| [Page] Pay Bills | 13-Nov-20 | 25-Nov-20 |
| [Page] Logout | 13-Nov-20 | 25-Nov-20 |
| [Page] Create Account | 13-Nov-20 | 25-Nov-20 |
| [Page] Close Account | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] Transaction Details | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] FAQ Page | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] Contact Us Page | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] Careers Page | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] Account Transfer | 13-Nov-20 | 25-Nov-20 |
| STRETCH - [Page] Notification Pages | 13-Nov-20 | 25-Nov-20 |
| CSS Styling Pass | 13-Nov-20 | 25-Nov-20 |
| **TESTING AND POLISH TASKS** |  |  |
| Confirm Pages Operate Correctly | 25-Nov-20 | 4-Dec-20 |
| Consistent CSS on All Pages | 25-Nov-20 | 4-Dec-20 |
| CSS Aesthetics Pass | 25-Nov-20 | 4-Dec-20 |
| Delete Dead Code | 25-Nov-20 | 4-Dec-20 |
| Create Presentation Materials | 25-Nov-20 | 4-Dec-20 |
| Code Comments Added | 25-Nov-20 | 4-Dec-20 |
| Final Testing Pass | 4-Dec-20 | 4-Dec-20 |
| **PRESENTATION TASKS** |  |  |
| Presentation Dry Run | 6-Dec-20 | 6-Dec-20 |
| Present To Class | 7-Dec-20 | 7-Dec-20 |

**Task Inventory**

* [x] Initial Project Creation
* [x] Initial Data Migration
* [x] Seed Data
* [x] Project Requirements Final Pass
* [x] Login Page
* [x] Return To Login Link
* [x] Signup (Create Client) Page
* [x] Landing Page
* [x] Transaction List Page
* [x] Withdraw Page
* [x] Deposit Page
* [x] Scope of Work Added to README
* [x] Close Account Page
* [x] Update AccountBalance based on Last Transaction
* [x] Pay Bills Page
* [x] Validation for Inputs
* [x] General CSS Pass
* [x] Fix Seed Data (To have Accuracy)
* [x] Update Page Flow Diagram
* [x] STRETCH - FAQ Page
* [x] Landing Page → View Transactions (Pass ID in URL Fix → Security Flaw)
* [x] STRETCH - Filter View Transaction Page by Date
* [x] STRETCH - Transaction Confirmation Page
* [x] Login Page CSS → To Match Figma
* [x] Project Progress Report

Ongoing Tasks

* [ ] STRETCH - Contact Us Page
* [ ] STRETCH - Careers Page
* [ ] Project Plan Writeup
* [ ] Readme Final Pass
* [ ] Testing / Polishing Activities
* [ ] Comment Code
* [ ] HTML/CSS Validators
* [ ] Clean Up Errors / Warnings
* [ ] Citations in All Code References
* [ ] Citations in README
* [ ] Presentation Activities
* [ ] Presentation Slides
* [ ] Presentation Dry Run
* [ ] PLANNING Folder
  + [ ] Includes ERD
  + [ ] Includes Page Flow Diagram
  + [ ] Includes Sketches, Project Documents
  + [ ] Includes Proposal and Submitted Files
  + [ ] Includes Schedule
* [ ] Timesheets are updated

**Deliverables Checklist**

* [x] GitHub link
* [x] [README.md](http://README.md)
* [x] Name of the project is included.
* [x] List of contributors is included.
* [x] Problem Statement is included.
* [x] Description of how the app solves the stated problem is included.
* [x] Instructions for installing the application are complete.
* [x] Instructions for using the application are complete.
* [ ] List of all citations is complete.
* [x] List of test cases and testing instructions are included.
* [x] Link to the public Trello board is included.
* [x] Main branch contains all final code needed to run the project.
* [ ] Presentation
* [ ] Final Project Report
* [ ] Satisfaction Assessment
* [ ] Lessons Learned
* [ ] Group Member Performance Review
* [ ] Each group member has been evaluated.
* [ ] All fields filled out.
* [ ] Personal Reflection
* [ ] Written reflection.
* [ ] Video reflection.