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Ketchup Clinic Project Plan

I. Overall Mission

Our project goal is to build a platform that creates an optimal oral drug (pills) schedule for those that have been recently diagnosed with Type 2 Diabetes. This is a chronic illness and involves substantial life changes that can be overwhelming. Through our platform we hope to educate patients on their oral meds and their side-effects, and create a drug schedule that will integrate into their existing eating, sleeping, and exercising habits.

II. Project Goals

Milestone	High Level Implementation Plan
Proof of Concept	For this milestone, we intend to have the core features working to show that our idea is feasible. This includes: ● Creating a user flow ● Signing-In/Authentication flow ● Creating a Drug Regimen flow ● Saving to database
Minimum Viable Product	For this milestone, we intend to have the web app basically working with unfinished user-interface, meaning functionality should be complete, but we will continue to test to make improvements to our interface. The additional completed functionality will include: ● Fixed any bugs from Proof of Concept ● Implement UI ● Protection against security concerns
Finished Product	The web app is deployed and the UI has been tested and improved upon based on tests.

III. Detailed Tasks List

Task	Details	Owner	Deadline
Set up Web App Foundation	Create a blank express node app with all the necessary node packages	Prateek	11/18
Create Database and tables	Create the database and necessary tables based on schema design	Bernard	11/18
Integrate VUE	Integrate VUE into the app and create blank VUE page to ensure it's working.	Chris	11/18
New User Flow	Build the UI and write the backend code for creating a new user and authentication. Must use bcrypt to encrypt personal identifiable information.	Bernard	11/19
Selecting Drugs Flow	Build the UI, write the API call, and DB queries for this flow	Prateek	11/19
Add Activities: Meal, Sleep, Exercise and Job,	Build the UI for adding activities, write the API calls that will manage add and saving activities, and write the DB queries	Chris	11/19
Add Activities: Calendar Preview	Build the UI element for showing the preview of the schedule with actions to edit each block on the schedule. Each action should tie to the appropriate API call	Prateek	11/19
Dashboard (after a schedule is created)	Build the UI and hooks that will allow the user to edit their drugs and activities after a schedule has been created and saved.	Bernard	11/20
Tests	Write tests to ensure all the core functionality work as they should	Chris	11/20
User Testing	Test the app with users to gather feedback on user experience and interface	Chris - lead/ Team	11/26
Security	Write tests to expose security vulnerabilities. (SQL injections, encrypting personal	Bernard	11/29

	information, and sanitizing inputs.)		
UI Improvements to Drugs Flow	After user testing make improvements to the UI	Chris	11/29
UI Improvements to Activities Flow	After user testing make improvements to the UI	Prateek	11/29
UI Improvements to Dashboard	After user testing make improvements to the UI	Bernard	11/29
Deploy App to Heroku	Deploy app to public link to set up the process and test app at the public link	Prateek	12/3

IV. Contingency Plan

In the event that something goes wrong, such as not hitting deadlines or running into tough bugs, we will implement pair programming to work through these issues. If technical issues continue to rise we will work to scale back the number of activities we currently support from four (sleep, meals, exercise, and job) to a number that will allow us to move forward with development. (exercise will be removed first)