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Brainstorming for the Mortgage Calculator

[First Window / Frame]

The Mortgage Calculator, when run, will open a login screen that will allow you to put in a password and sign up or log in. This has various features such as the asterisks on the password to hide it similar to a real application, and a forgot password button that lets you reset your password, plus other features, etc.

The screenshot shows a mortgage calculator interface with the following fields and controls:

- Mortgage Amount:** A text input field with a '\$' symbol on the left.
- Amortization Period:** Two dropdown menus. The first is set to '25 Years' and the second to '0 Months'. An information icon (i) is next to the label.
- Payment Frequency:** A dropdown menu set to 'Monthly'.
- Interest Rate:** A text input field containing '5.690' and a '%' symbol on the right.
- Interest Type:** A dropdown menu set to 'Variable'.
- Interest Term:** A dropdown menu set to '0 Months'. An information icon (i) is next to the label. A red circle highlights this icon.
- Calculate:** A blue button.

A tooltip is visible over the 'Interest Term' information icon, containing the text: 'le choose interest range from one to 5 /ear term is the most see what RBC offers'. The tooltip has a close button (X) in the top right corner.

The application on the actual calculator will look similar to this, the RBC Mortgage calculator, with an 'i' next to the terms, that, when hovered over, will have an image that explain the said feature.

Rough Layout-

Login Screen similar to the one on the minigame

Split Window With Mortgage Calculator on left side & prepayment plan on the right side

Mortgage Chart/Diagram w/ Mortgage summary

;implement a back button to navigate between different windows

Login Screen:

Features a password input field with asterisks to hide the input.

Includes a "Sign Up" and "Log In" option.

Offers a "Forgot Password" button for password resetting.

May include other interactive elements typical of a login screen.

Main Application Interface:

Resembles the layout of the RBC Mortgage Calculator.

Includes an 'i' (information icon) next to terms, which reveals explanatory images on hover.

Rough Layout Components:

The application is split into two main windows/frames.

Left Side: Dedicated to the Mortgage Calculator itself.

Right Side: Features a Prepayment Plan module.

Integration of a Mortgage Chart or Diagram, possibly in a separate window or as part of one of the main frames.

Each window/frame includes a Mortgage Summary section.

Implementation of a "Back" button for easy navigation between different windows/frames.

Each window should have a caption or description explaining its function or content.

Rough Schedule:

Conceptualization and Planning (Jan 1 - Jan 9)

Define application requirements and features. Create the initial design for the login screen and main application interface. Develop a flowchart detailing the navigation between windows/frames. Finalize the rough layout and gather resources (icons, UI elements).

Development of Basic Framework (Jan 10 - Jan 13)

Set up the development environment and create the basic application framework. Develop the login screen with password input, sign up, log in, and forget password features. Start building the mortgage calculator's interface. Review and test the functionality developed so far.

Advanced Features and Integration (Jan 13- Jan 18)

Implement the information icons and hover-over features. Develop the Prepayment Plan module and integrate it into the right side of the window. Create the Mortgage Chart/Diagram and summary sections. Implement the back navigation button and ensure seamless window/frame transitions. Final review and testing of the application.

Finalization and Testing (Jan 18- Jan 21)

Conduct thorough testing, identify and fix bugs. Refine the UI/UX based on testing feedback. Final polish and prepare for project presentation.

Presentation Preparation (Jan 21<)

Prepare presentation materials (slides, demo video). Rehearse presentation and finalize all materials.