

# House Planner

## Description

The application helps users plan for all of the decisions and financial awareness that comes with building a house. The user provides information about the size of their plot, foundation, and follows a guided tutorial to laying out the different components of the house.

## Project details

- Category: General
- Difficulty:
- Suggested stack: Not specified
- Approval status: Approved

## Target users

Home Buyer

## System Administrator

## Tags

MVP, Notes, Optional

## User Stories

### Login

As a user I can log into the application so that I can see my homes that are in progress.

### Register

As a new user, I can create an account so that I can start defining my house plot.

### Specify House Details

As a home buyer, I need the ability to create a new house plan.

A house plan requires at a minimum:

- \* a name
- \* foundation area size
- \* the region

### Add Floors to Home

As a home buyer, I need the ability to add or remove multiple floors to my floor plan so that I can determine which rooms are added.

### Add Rooms to Floor Plan

As a home buyer, I need the ability to add rooms to my floorplan.

When adding a room, I need to define:

- \* the name
- \* the size
- \* the placement of the room

Define Essentials for Rooms

As a home buyer, I need the ability to configure a room's essentials (e.g. doorway, stairway, flooring type, etc.).

Define Design Aesthetic for Rooms

As a home buyer, I need the ability to determine the design aesthetic and placement of items in a room (e.g. sink, refrigerator, stove, toilet, etc.)

Calculate Estimated Home Build Cost

As a home buyer, I should be able to see an estimated cost of the land, the house, and the materials inside.

The region, size of the foundation, and resources required (wood, wiring, pipe, etc.) for each of the rooms are factored into the cost.

Print Floor Plan

As a home buyer, I should be able to print the floor plan of my house out.

Share Floor Plan with User

As a home buyer, I need the ability to share my floor plan by sending a link to other users so that they can see my ideas.

Design Land Area

As a home buyer, I need the ability to design the plot (i.e. trees, shrubs, gardens, driveway) outside of my house.

Provide Pre-Made Floor Plans

As a home buyer, I need the ability to pick from a list of pre-made floor plans so that I can have a starting point when building my house.