¬Dev

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Welcome

Meet ¬Dev (notDev)! We are a group of aspiring software developers from UWT's Institute of Technology who will be working on this project.

Currently, the scope of our project focuses on energy savings from replacing appliances with more eco-friendly models. Initially when we began the project, we imagined an application that could be used to compare different models of appliances. With this in mind, we created our first prototype as such.

This is a simple and intuitive application that can be used by beginners and professional renovators alike. Anyone looking for ways to save money on energy bills around the house will find it helpful.

For example, a customer who is renovating a kitchen can use our product to determine what appliances to replace, and what to replace them with, in order to maximize energy savings given budgetary and other constraints.

In short, any scenario that involves a customer making a cost-benefit analysis for replacing or deciding whether to replace an appliance will be applicable to our product.

User Stories

US01 As a DIY-er, I want to be able to collect data and measurements for smaller sized projects.

US02 As a DIY-er, I want to be able to make basic calculations for smaller sized projects.

US03 As a DIY-er, I want to be able to weigh cost vs benefits for smaller sized projects.

US04 As a DIY-er, I want a savings estimator app to help me figure out potential energy use reduction.

US05 As a DIY-er, I want a material estimator feature to help figure out cost of materials and amount of time the savings might pay back cost.

US06 As a DIY-er, I want a way to monitor energy consumption.

US07 As a DIY-er, I want a way to estimate bills from inputted energy consumption values.

US08 As a DIY-er, I want a “meter lens” where my phone camera can help me read my electric meter.

US09 As someone who prefers desktops, I want this estimator app to export data locally.

US10 As the provider of this tool I would want to have a way to provide updates such as revisions to electric company rate scales.

US11 As the provider of this tool I would want to have references to reputable contractors and professionals in the area.

US12 As the provider of this tool, I want a way to advertise different retailers.

US13 As a DIY-er, I want a application that products and services can be promoted through product data.

US14 As the provider of this tool, I want a way to measure the difficulty of specific projects

US15 As a DIY-er, I want to be able to use this application at a worksite without internet connection.

US16 As a DIY-er, I want to be able to use this application to exchange data with an online service.

Business Rules

BR1 Ability to export data from application (US09)

BR2 Ability to store information on a local device (US09)

BR3 This application can be used both online and offline. (US15, US16)

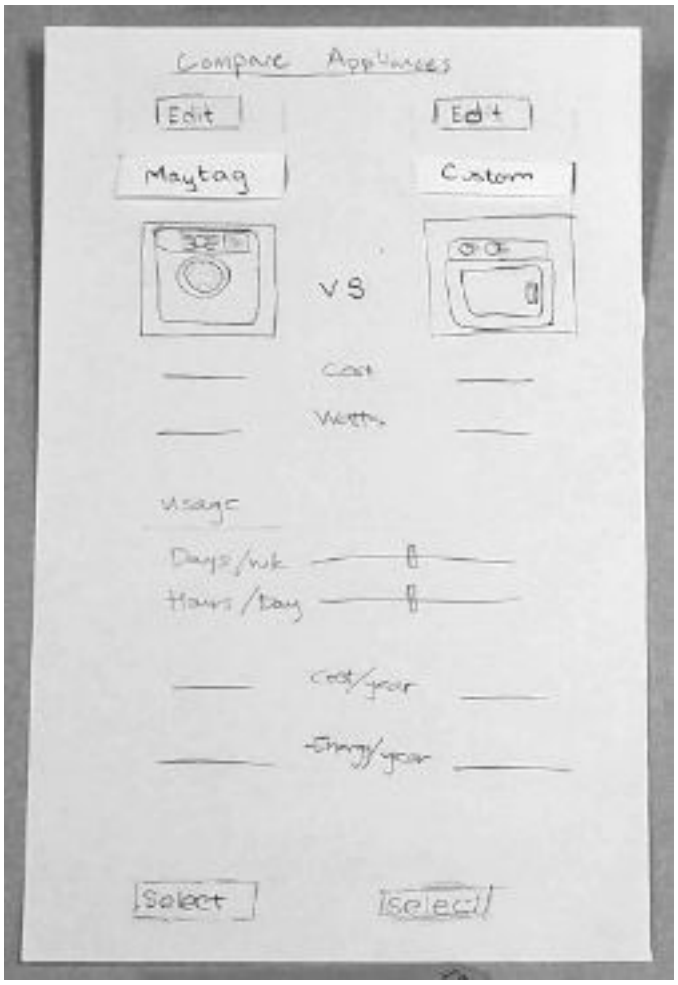
Priority User Stories

US02 As a DIY-er, I want to be able to make basic calculations for smaller sized projects.

US07 As a DIY-er, I want a way to estimate bills from inputted energy consumption values.

US15 As a DIY-er, I want to be able to use this application at a worksite without internet connection.

Prototype

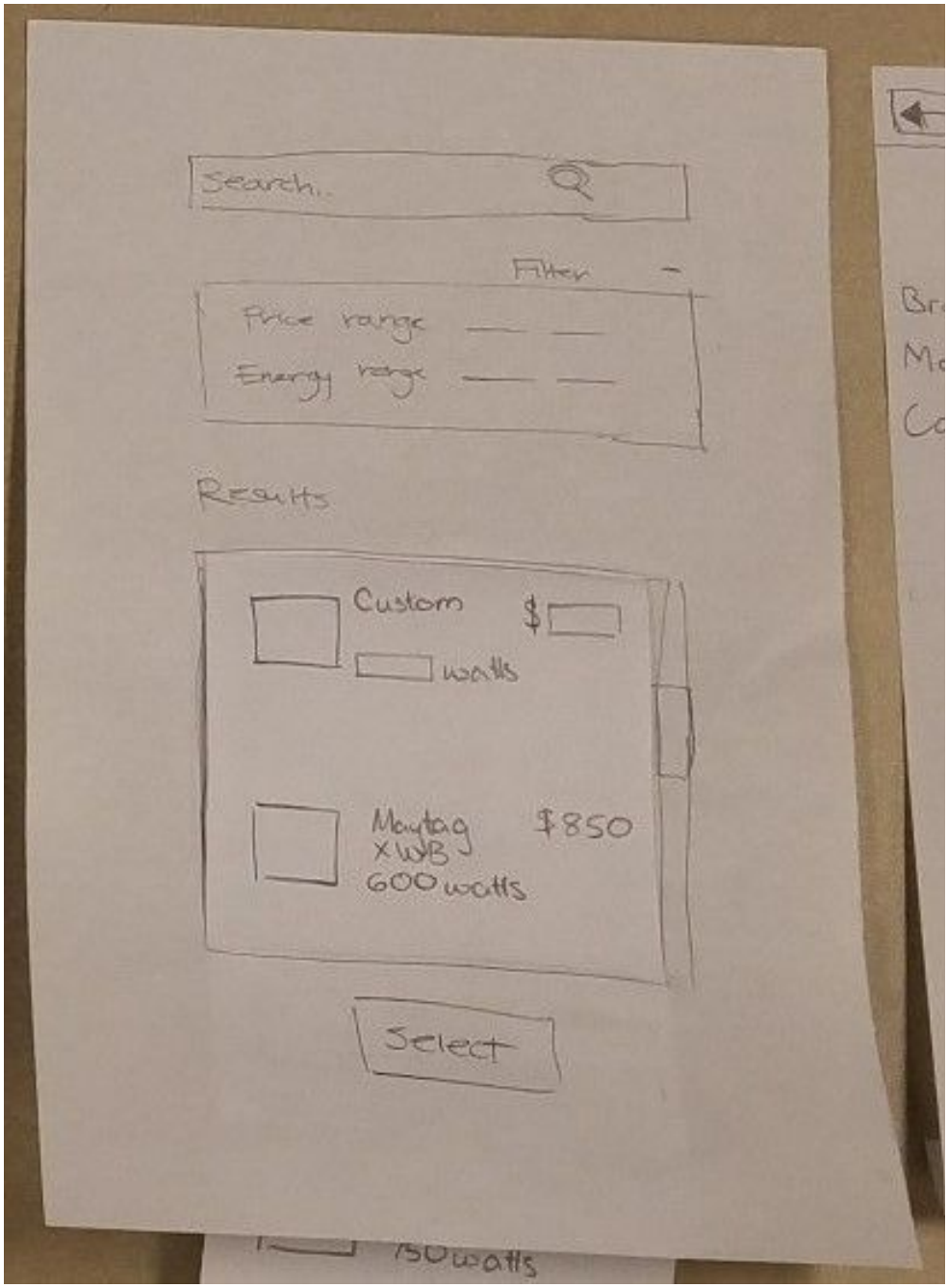


US02 As a DIY-er, I want to be able to make basic calculations for smaller sized projects.

Success scenario: Client is able to compare and contrast cost and energy consumption from a wide range of appliances.

US07 As a DIY-er, I want a way to estimate bills from inputted energy consumption values.

Success scenario: Cost and energy consumption per year is automatically calculated from selected items.



US15 As a DIY-er, I want to be able to use this application at a worksite without internet connection.

Success scenario: Client is able to create and compare two inputted custom items OR client is able to compare two items from a downloadable database.

Looking Forward

- Look for where to buy selected appliance
- Save favorites/ make list of appliances to look at