1. Introduction – A mobile application that lets you search for computer parts to build your own PC. This app will be a powerful app because users can compare prices or specs of each component saved to the device. This will be useful for building PCs as well as repairing them. Each user of the app can have multiple saved builds of the PCs they own.
2. Story Board – Framework

Graphical user interface, application, Teams

Description automatically generated

1. Functional Requirements – Components of a pc

* Motherboard
* Power Supply Unit
* Power Cables
* Graphics Card GPU
* Central Processing Unit CPU
* Fans
* Heat sink
* Memory RAM
* Solid State Drive
* Hard Drive
* Water cooling system
* etc....

Each PC can be Added or deleted

Each PC object has a name in a database. (This is the primary key)

Each PC object will have an initial build price based on components chosen for the build.

Each PC object has a status on whether it needs repaired

Each PC object has a list of components if it needs repaired

Each PC object has a total spent on it based on repairs/upgrades to it

Users can add and delete pictures for PCs

Object My PC will be a collection of objects Components

Components are also objects with attributes being the fields. Progressive disclosure

Object MyPC > Object [Components List] > Object [list for specific component] > Attributes Price.

When a component is clicked it lights up on the interactive map.

Each Component will be a checkbox and will show a list of items to compare prices for that component that the user can create, read, update, and delete.

The component objects will populate as a huge drop-down list.

Each component will have a required field, name.

Each component gives the user the ability to add and delete fields.

Each field should be editable by using click and hold. Fields can be deleted by leaving a field blank

Each specific component will have a delete button.

Each component can add and delete pictures for each component object

Each component can be hidden from view in the list so the customer can compare prices with the other components.

There will be an option to delete all component objects for that one component.

The last list being the total which is a list of the component objects names and their prices showing a total as the last field.

There will be a button to submit the cost of the build to the initial cost field in the PC object.

If the initial cost is higher than 0 then the cost of component objects will be sent to a total spent

Power supply Checkbox for if this is needed in a repair project. Checkbox to hide that specific powersupply object.

Power supply 1

Dropdown list to hide or open to compare

Brand: Corsair

Wattage: 700

Price: $300

Picture: + add picture

Added to build YES/NO (Checkbox)

Link: (URL to specific find)

+ - Fields (such as color etc.)

Power supply 2

Dropdown list to hide or open to compare

Brand: Highpoint

Wattage: 500

Price: $250

picture: + add picture

Added to build YES/NO (Checkbox)

Link: (URL to specific find)

+ - Fields (such as color etc.)

+ - (add or delete Power Supply objects)

Checkbox Need this part YES/NO (checkbox)

Memory Window that opens or closes Dropdown list

GPU

CPU....

Total Price of build

Component 1 | PowerSupply1 $700.00

Shipping

Absolute total.

When saved A json file is saved that can be translated to google sheets. This idea is a feature to add if we finish sooner than we expect.