



NRGY

The Energy Solution

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A decorative network diagram in the top-left corner, consisting of various sized nodes (some solid, some hollow) connected by thin lines, forming a complex web structure.

1.

The Problem

A decorative network diagram in the bottom-right corner, similar to the one in the top-left, with nodes and connecting lines.




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*We have a **single mission**: to **protect** and **hand on** the planet to the next generation.*

*-- Francois Hollande,
President of the French Republic*



The Problem

- ◎ People are unaware of the amount of energy that they use.
 - ◎ People don't see how much of that energy is wasted.
 - ◎ Wasted energy contributes to much larger problems.
 - ◎ Wasted energy is also wasted money.
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2. **Contextual Inquiries**

Contextual Inquiries

People don't have a simple and easy way to visualize the energy they use.






Contextual Inquiries

People forget to turn off their devices when they leave their house.

Understanding their energy consumption can be difficult.





3. Tasks





Tasks

Recording Data


Collect information on energy usage from various sources.

Reminders to Save Energy

Notifications to remind users to perform tasks in case they forgot.

Budgeting

Creating predictive models of future expenses as well as models of historical expenses.





Tasks

Converting to Green Technology


Provide the user with alternative technologies to save energy as well as money.

Simplification of Data

Display data that is easy to understand and learn from.

Self-Regulating Utilities

Automated control of certain utilities to save energy and money.





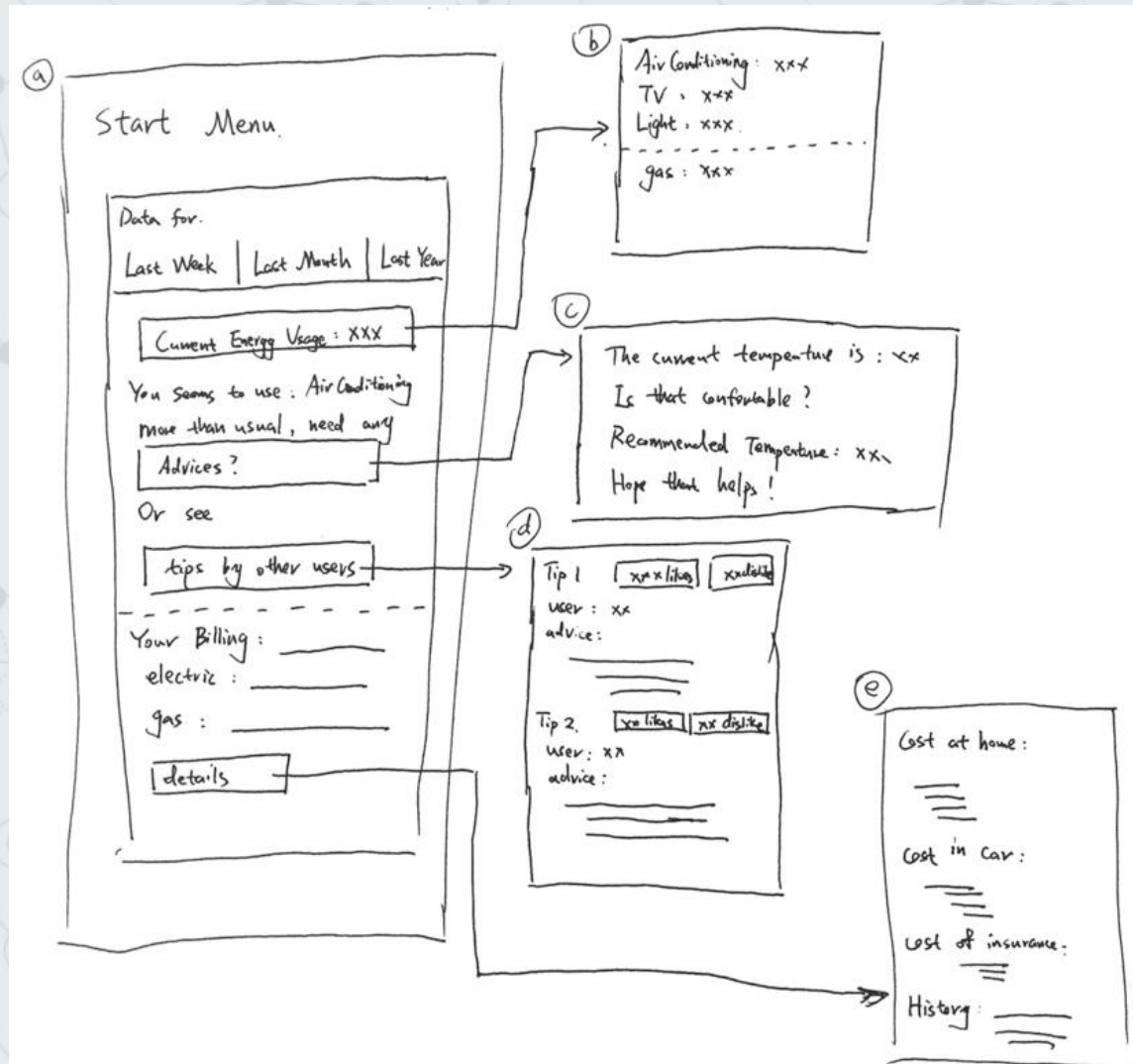
4.

Design Sketches



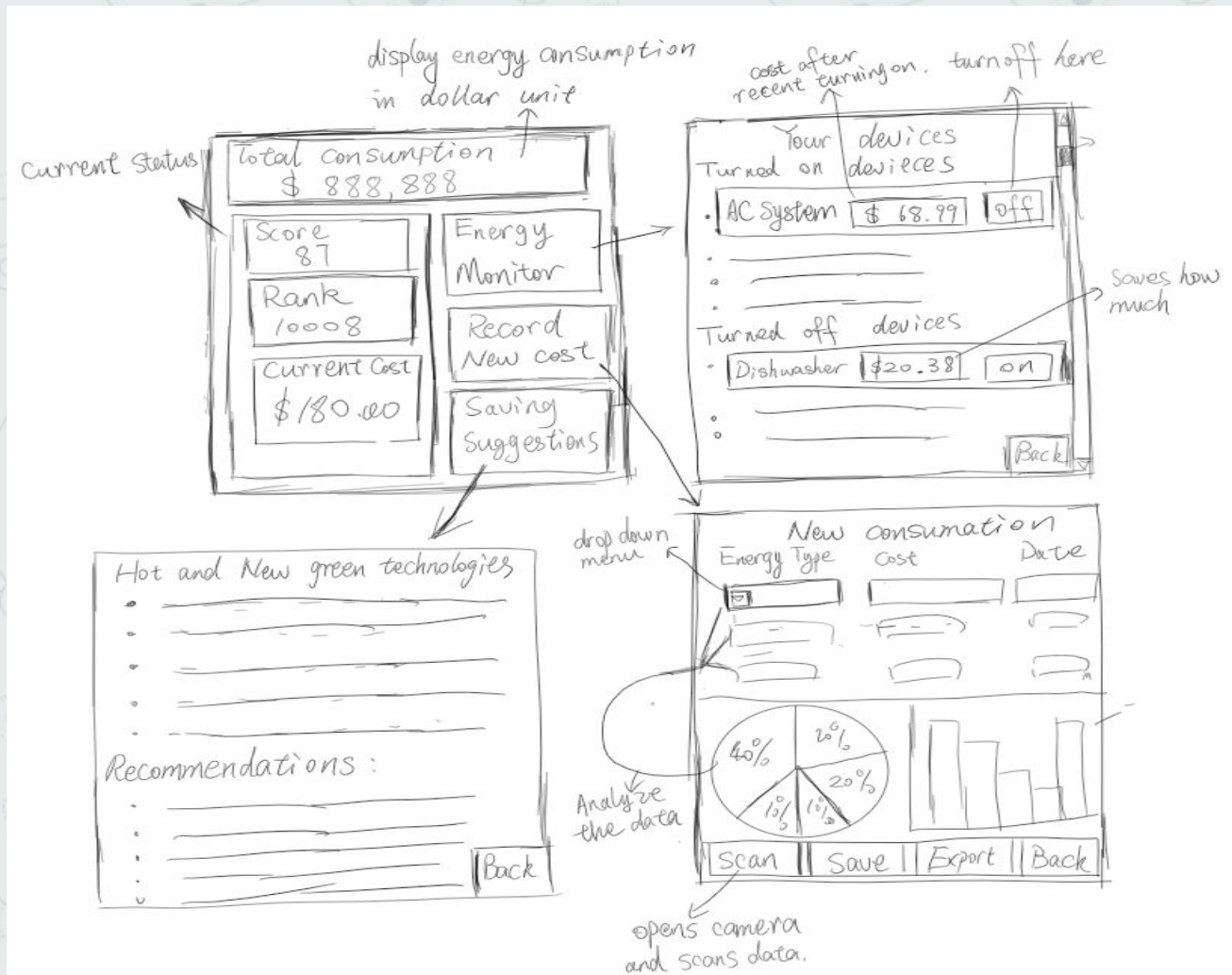
Design #1

Mobile Application



Design #2

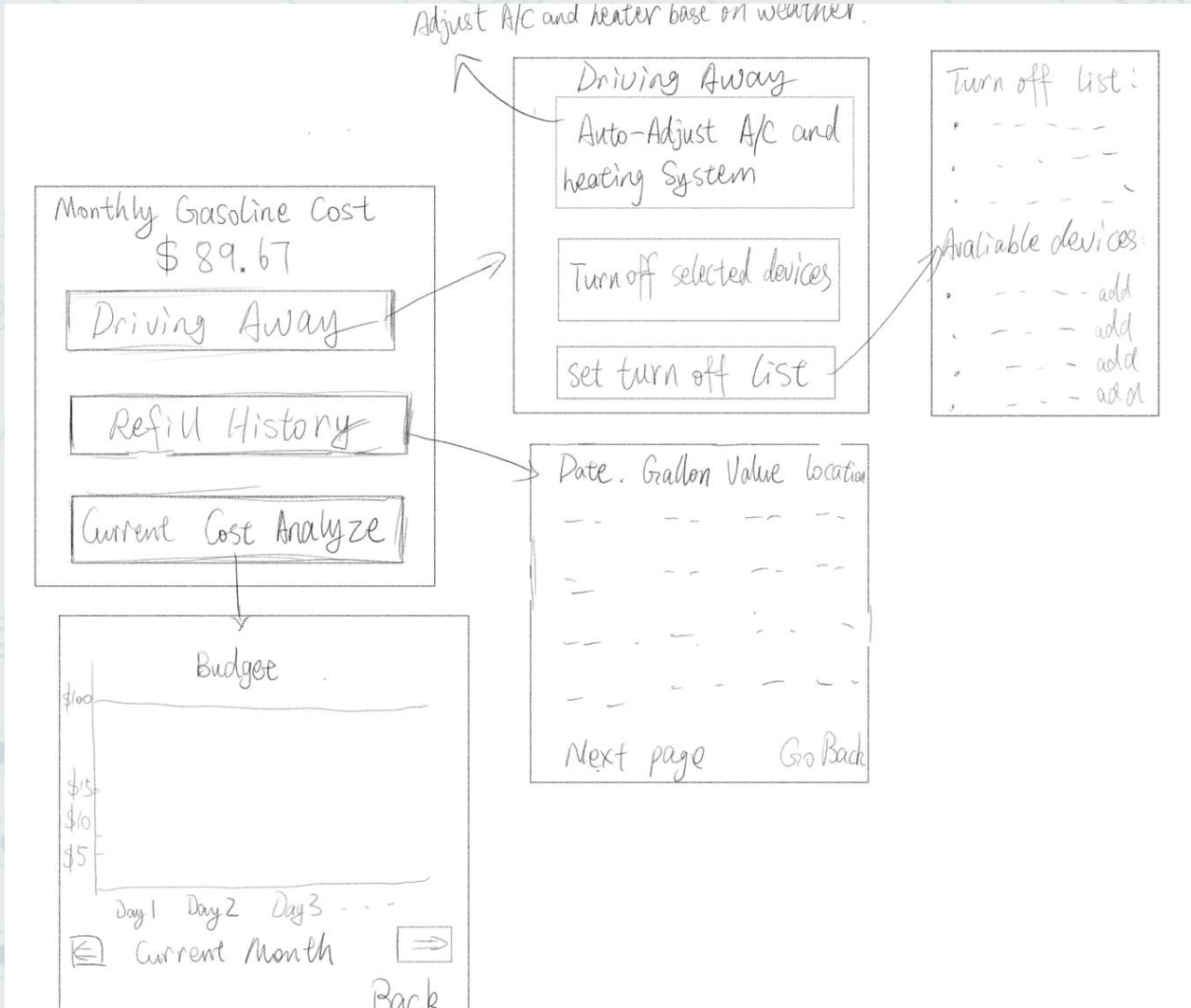
Wall-Mounted Dashboard



Design #3

Automotive Dashboard

Adjust A/C and heater base on weather.



A decorative network diagram in the top-left corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow with a grey outline. The connections form a complex, branching structure.

5.

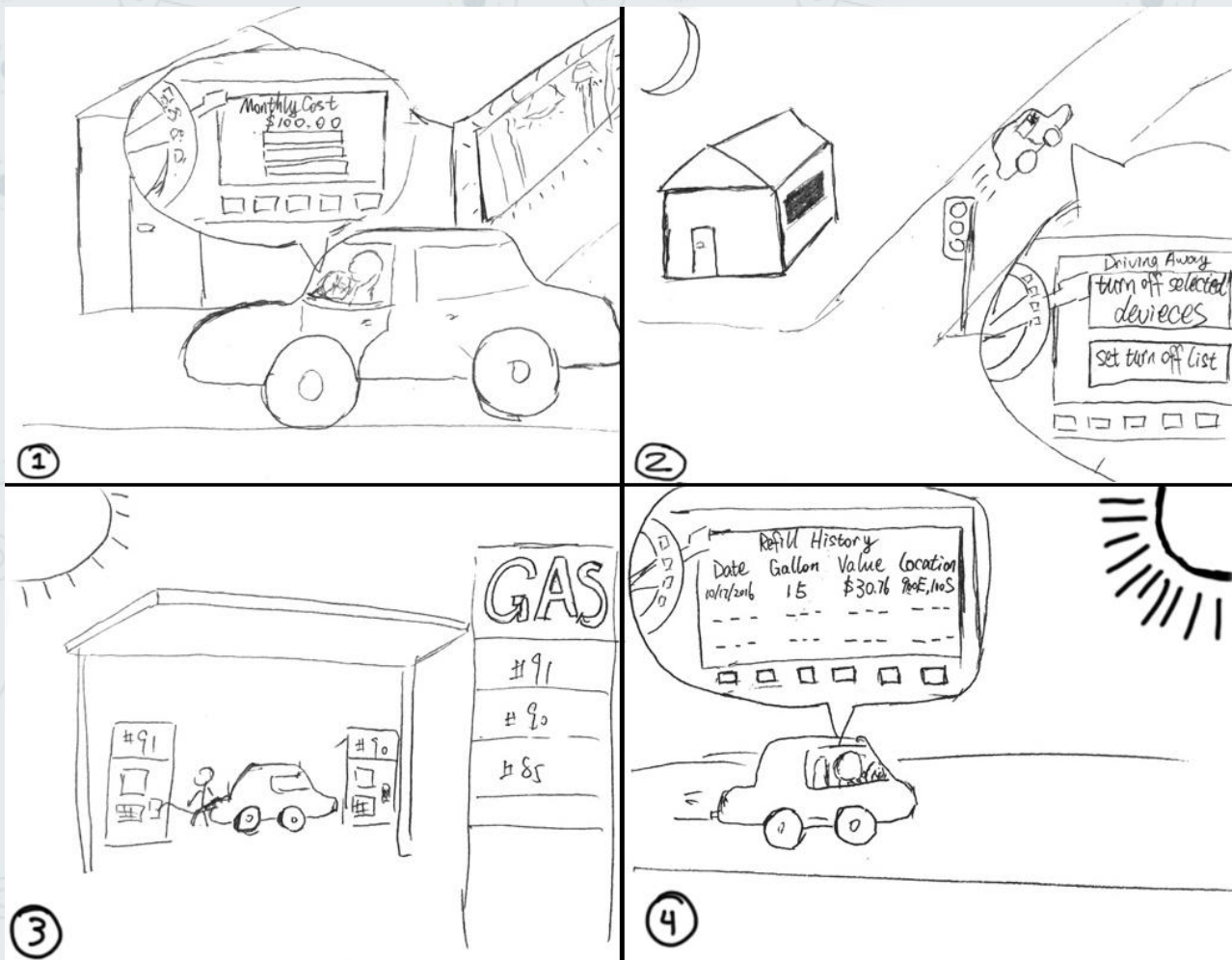
Design Storyboards and Tasks

A decorative network diagram in the bottom-right corner, similar to the one in the top-left, featuring a cluster of interconnected nodes and lines.



Storyboard #1

Notifying the user of devices left on when they leave their home.



Storyboard #2

Viewing information and notifications from vehicle dashboard.



Summary

- ◎ The design process takes time.
- ◎ Plan appropriately for each step.
- ◎ Contextual inquiries need to be detailed
- ◎ Draw inspirations from outside the computer science world.



Thanks!

Any questions?

