

CoughingCats: Cord Cutting Calculator Iteration 1

Team roles:

Scrum Master: Chris Kornosky

Product Owner: Shreyas Rameshkumar

Team Members: Arbin Bhuiyan, Elizabeth Hokaj, Manav Gurumoorthy, Srishti Madan, Tanay Kulkarni

Customer meeting date/time/place:

Wednesdays 4:15 pm, Zoom

Links:

GitHub Repo: <https://github.com/Kornosky/Cord-Cutting-Calculator>

Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2495463>

App (Heroku) Link: <https://cord-cutting-calculator-2021.herokuapp.com/>

Summary

We have implemented “Monthly” and “Annual” radio buttons for the user to choose between in the calculator view, and the underlying functionality. This pertains to user story 2 from Iteration 0. No prior code has been refactored yet.

We also broke down the “Add Reset button” story from Iteration 0 into sub-stories to add “Reset” selections buttons for User’s Edit Antenna Channel/Set Top Box/Devices page and the Calculator Page. We have currently implemented the “Reset” button to the User’s Edit Antenna Channel and Set Top Box and Devices Page.

Blockers

We ran into some trouble with the database migrating, which has hindered our website from functioning completely and being able to test accurately. Specifically, the packages, devices and set top boxes databases are not populated. We are not sure if there even is any seed data to populate. This was communicated to Shravani, and she said she would get us in contact with the prior team to troubleshoot this issue.

Stories Progress

Story: Specify Either Per Month or Annual Budget

- **Progress:** Complete
- **Cucumber:** Complete
- **RSpec:** WIP
- **Description:** Added radio buttons to differentiate “Monthly” and “Yearly” budgets

Calculator

Must have channels

(Be sure to select enough channels, or the calculate may not produce satisfying results.)

Select the Channels ▾

Would like to have channels

Select the Channels ▾

OK to have channels

Select the Channels ▾

Budget

70



Monthly Yearly

DVR ☐

Only need one package? ☐

Calculate

Fig: Calculator page with “Monthly” and “Yearly” radio buttons

```
Feature: User

As a channel watcher
Currently the budget does not specify whether it is monthly or yearly
Specify that near the budget field

Scenario: Changing from monthly to yearly budget
  Given I am on the calculator
  Then I enter a budget
  And I choose "Yearly"
  Then I press calculate
  And I should see "Yearly" budgets

Scenario: Changing from yearly to monthly budget
  Given I am on the calculator
  Then I enter a budget
  And I choose "Yearly"
  Then I choose "Monthly"
  Then I press calculate
  And I should see "Monthly" budgets
```

Fig: Cucumber Scenarios

Package set #1

Recommended Packages: **TEST 1,**

Including:

- Must Have Channels:
ABC,
- Would Like to Have Channels:
- OK to Have Channels:

Cost: 30.0

Fig: Output page

Story: User Profile UI Improvement

- Progress: Complete
- Cucumber: N/A
- RSpec: N/A
- Description: Improved the Descriptive Labels in User Profile UI

[Edit your profile](#) |

What channels are available to me?

What devices do I have access to?

What cable provider am I using?

Calculate

Fig: User Profile's Descriptive Labels

Story: Add a Reset Button to the Selection

- **Progress: WIP**
- **Cucumber: WIP**
- **RSpec: WIP**
- **Description:** Added “Reset” buttons to some of the pages to reset selections made by the User. This user story was broken down into sub-stories, as follows:
- **Sub-story #1:** Add “Reset” button to User's Edit Antenna Channels page
 - **Progress: Complete**
 - **Cucumber: WIP**
 - **RSpec: WIP**

CORD CUTTING CALCULATOR Channels ▾ Devices ▾ Packages ▾ Set top boxes ▾ Account ▾

Antenna channel list

Your Antenna Channels:

◆ ABC◆ AbcNewsIive◆ ACCESPNNetwork

Select the Channel ▾

Submit

Reset

Cancel and to back to profile

Fig: User's Antenna Channel List with “Reset” button

CORD CUTTING CALCULATOR

Channels ▾Devices ▾Packages ▾Set top boxes ▾Account ▾

Welcome,

Email: srishti.madan@tamu.edu

[Edit your profile](#)

What channels are available to me?

Edit Antenna Channel

What devices do I have access to?

What cable provider am I using?

Calculate

Fig: Output after “Reset”

- **Possible Improvements:** Currently the “Reset” button takes the user back to the previous page after resetting all the selections. Although this might be fine for the User Edit Pages, we are trying to troubleshoot how this could be avoided to make the app stay on the same after the reset for our Calculator implementation. This would be dealt with in the next iteration.
- **Sub-story #2:** Add “Reset button to User’s Edit Devices page”
 - **Progress: Complete**
 - **Cucumber: WIP**
 - **RSpec: WIP**

CORD CUTTING CALCULATOR

Channels ▾Devices ▾Packages ▾Set top boxes ▾Account ▾

Device list

Your Devices:

Select the Device ▾

Submit

Reset

Cancel and to back to profile

Fig: User’s Device List Page with “Reset” button

- **Blocker:** Can’t test the implementation due to the Database migration problem
- **Sub-story #3”** Add “Reset” button to User’s Edit Set Top Box page

- **Progress: Complete**
- **Cucumber: WIP**
- **RSpec: WIP**

CORD CUTTING CALCULATOR Channels ▾ Devices ▾ Packages ▾ Set top boxes ▾ Account ▾

Set top box list

Your Set Top Boxes:

Select the Set Top Box ▾

Submit

Reset

[Cancel and to back to profile](#)

Fig: User's Set Top Box list page with "Reset" Button

- **Blocker:** Can't test the implementation due to the Database migration problem
- **Sub-story #4:** Add "Reset" button to Calculator page
 - **Progress: WIP**
 - **Cucumber: WIP**
 - **RSpec: WIP**

```

Feature: User

  As a channel watcher
  So that I don't need to click selected channels again to remove them from my list
  I want to add a button to the "Select the Channels" dropdown

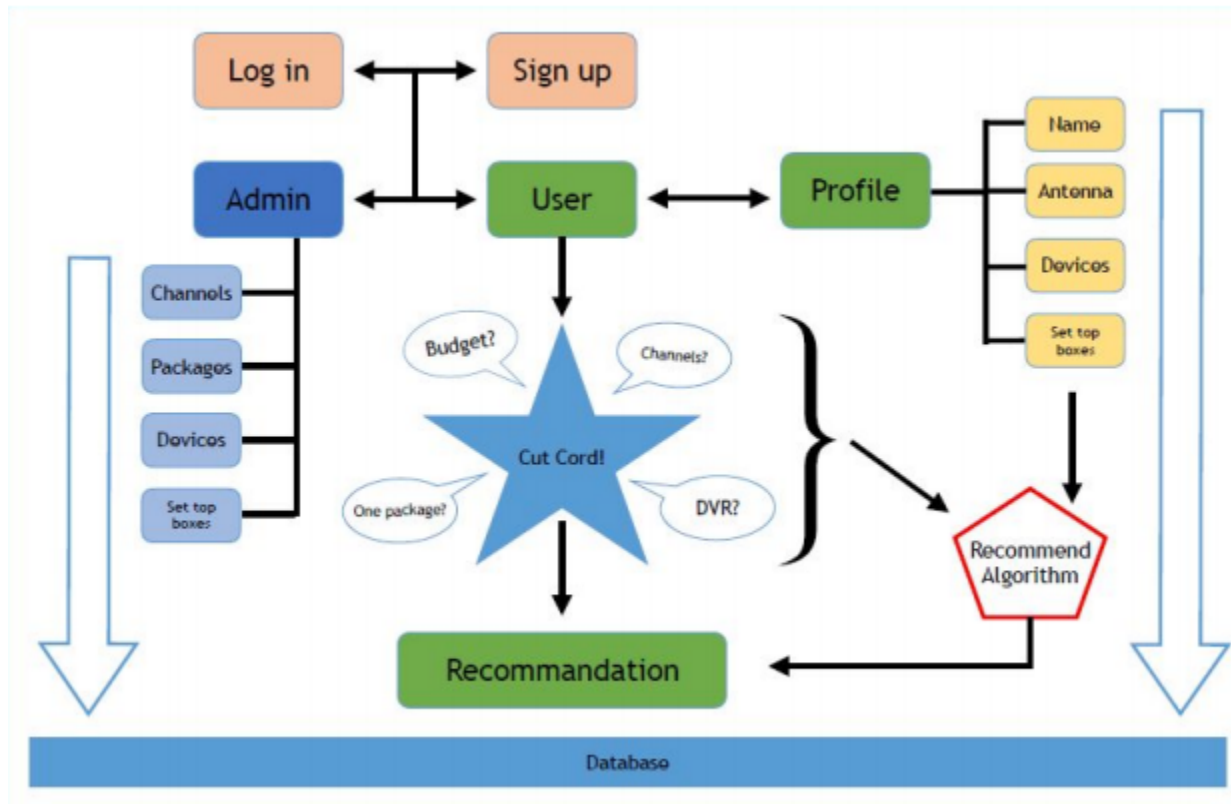
Scenario: Pressed Channels Reset Button
  Given I am on the calculator
  Then I check "CNN" in "Must have channels"
  And I reset "Must have channels"
  Then I should see all "Must have channels" unchecked
  Then I check "ABC" in "Would like to have channels"
  And I reset "Would like to have channels"
  Then I should see all "Would like to have channels" unchecked
  Then I check "BBC" in "OK to have channels"
  And I reset "OK to have channels"
  Then I should see all "OK to have channels" unchecked
  
```

Fig: Cucumber Features

Story: Improve "Select the ..." Dropdown Lists

- **Progress: WIP**
- **Cucumber: WIP**
- **RSpec: WIP**

Design Diagram



(Credit to *Grade A Team* for graphic)

Legacy Refactoring

None of our stories require any legacy refactoring except possibly for the story to modify the channel selection which has not been started. Apart from that, we are avoiding major rewrites of legacy code due to time constraints.