Team Meeting

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# Meeting Details

|  |  |  |  |
| --- | --- | --- | --- |
| Date: | 09.11.2020 | Scrum Master: | Scott Graham |
| Time: | 14:30 | **Note Taker:** | Alex Duthie |
| Attendees: | | **Moderator:** | Vittorio Rivabella (Slack Admin) |
| * Alex Duthie * Andrew Ellen * Scott Graham * Vittorio Rivabella | | **Agenda Planner:** | Damir Elsik |
| Apologies: | | **Action Items Planner:** | Andrew Ellen |
| * Damir Elsik | | **Lecturers:** | Douglas Barr & Tom McCallum |

# Agenda Items

* Brainstorm on Call for Code 2020 ideas
* Make a final decision on what our Call for Code project will be
  + Decide/ Brainstorm on features for the chosen project
  + Select the MVP features
  + Cluster the features into categories
  + Document the MVP clustered features
* Join the Call for Code Student Conference (16:30)

# Minutes

## Scott’s Brainstorm Notes:

* Idea: AI to sort through rubbish
  + Machine learning to figure out what recycling methods certain objects require
* Idea: Something in a river or high-risk area to evaluate flooding and landslide risk, river, streams (real time monitoring of river, stream of landslide areas)
  + Research into landslides/ mudslides needed
  + Not much tech in recording/ measuring soil moisture
  + Evaluate flooding and landslide risk
  + Mudslide when rocks are water saturated
    - Comment: How soil is measured could be a parameter – Vittorio
    - Comment: Machine learning may not be needed for this idea – Vittorio
    - Suggestion: Research about water levels within soil
    - Suggestion: Research devices that could help with this idea

## Vittorio’s Brainstorm Notes:

* Idea: Storm drain flooding prevention machine of some sorts
  + - Comment: Detect blockages ahead of time - Scott
* Idea: Roomba type device to automatically clean up storm drains (leaves, clutter etc.)
  + - Comment: Ideas include IOT (not learning path ideas) - Vittorio
* Idea: Water pollution detection in river streams to reduce sea pollution
  + River pollution is high as they transport pollution from cities/ towns etc.
  + Place a "net" type device into the river to detect the amount of pollution in the water

## Alex’s Brainstorm Notes:

* Idea: App to compare items you shop for from most energy efficient to least energy efficient
  + Simplifies energy usage data for different devices, better for users
  + Energy API's can be used for these devices
  + Data to show how long the items you shop for will last (life wise)
  + Implement coupons, advertise how much money you are spending and how much you could save on your energy bill
    - Comment: Write a plugin with a library of products to compare the energy when shopping online - Vittorio

## Andrew’s Brainstorm Notes:

* Idea: Weather data API
  + App to use Google location to show weather in your area
    - Comment: Not helpful for climate change, but useful app - Vittorio
    - Comment: Add feature to show more energy efficient routes on how to get somewhere - Scott
* Idea: Route suggestions to decrease carbon footprint
  + Enter route directions and feedback the user the most energy efficient method of completing the route
* We decided that the browser plugin (extension) to compare energy efficiency on different appliances bought online would be the best project to go forward with.
* We also had a couple minutes to jot down as many features we could think of for this project, then we:
  + Clustered these ideas into categories
  + Plucked out what we thought would be our MVPs
  + Documented the MVP and features properly (see [here](#_Project_Features_and))
* We finished this meeting by watching today’s Call for Code conference session

# Project Features and MVPs

\* = Not necessary for MVP

## Cluster: Comparisons

* Consumption comparison (filter options sorted by energy use/price)
* Eco footprint comparisons
* Item lifecycle
* Eco alternative suggestions

## Cluster: Utilities

* Money saved

## Cluster: Gamification

* collection of energy saved over time (leaderboard)
* Regional energy consumption averages
* Coupon / Discounts
* Saved overall stats
* Accolades, awards, medals
* News ticker {$user} improved their consumption by ${energy%}
* Option to store energy usage
* Energy saving points to buy discount and coupons/prizes

## Cluster: Marketing

* Tips for energy saving/ Guide on energy efficiency \*
* T shirts \*
* Name
* Logo

## Cluster: Stats and Monetization

* Data collection on buy behavior eco related
* Popular items
* Calculate carbon footprint

## Cluster: Law, Legal

* GDPR

# Action Items

|  |  |  |  |
| --- | --- | --- | --- |
| Action Item | Assigned to | Deadline? | Status |
| MVP features meeting | Team | 09/01/2020 | Completed |
| Create feature story points  A presentation of what we would like to achieve with the plugin. | Team | 10/01/2020 | Selected for development |
| Break down current clusters | Team | 10/01/2020 | Selected for development |
| Find some good Energy APIs | Unassigned | ? | In Progress |
| Make a small chrome plugin to see how it works | Team  Each team member needs to complete this to get a rough idea on the project development process. | 11/01/2020 | In Progress |
| Complete mentor requirement forms | Damir Elsik | ASAP | ? |
| Add availability | Damir Elsik | ASAP | ? |