Project Specification for Group #18

[see additional instructions on Quercus for filling in all parts of the blueprint]

Team Name: ShopperSYNC

Domain:

[Establish what the domain is and what the broad purpose of your proposed software will be — this can be quite brief]

Food & Health – The purpose of our application is to educate and inform customers about the environmental outlook of various brands and manufactors to help them make healthier and more eco-friendly choices.

Software Specification:

[In plain English, **what** should the program be able to do (not **how** should it do it)]
[think in terms of nouns and verbs, which will map onto variables and methods in the program]

This program allows users to check the ecological impact of their items and make a shopping list. The user should be suggested with better alternative/healthier foods. Users will also be given the option to create a shopping list, which can be saved and viewed later.

User Stories:

[statements of interactions between the user and the system]
[see additional instructions on Quercus]
[aim for at least one user story per group member + 1 extra; in the table below, **each group member must be assigned to one user story + mark one user story as being a team user story** — this one should be the one that is most central to the basic

functionality of your system. That is, the one you would probably want to implement first.]

- Rohan would like to know how eco-friendly the manufactoror of a product is. He is looking to purchase more environmentally friendly items. He enters the ISBN/URL and is returned a webscraped description. **[team story]**
- Rohan would likle to know how eco-friendly a product is. He is looking to purchase more environmentally friendly items. He enters the ISBN/URL. Returned a webscraped enviornmental description, he sees he can add it to the shopping list. [**Irven Story]**
- Rohan would like to know how eco-friendly the manufactoror of a product is. He is looking to purchase more environmentally friendly items. He enters the ISBN/URL and is returned a webscraped description. He is shown altenrative products that have a better environmental outlook score that he may choose from. **[Arjun Story]**

- Rohan would like to find the total and cheapest cost of his recipe/shopping list. He enters the ingedients/products he would like to buy and is provided with the cost of each item and its total **[Zach Story]**

- Rohan would like to compare the nutritional value of one product with similar alternative products. He is shown the difference in key factors such as fats and sodium between different products. **[Rohan Story]**

Proposed Entities for the Domain:

[based on your specification, indicate a few potential entities for your domain — including their names and instance variables]

Shopping List

- Int total_cost
- Int overall_score
- Product productArray[]

Product

- String description

- String category
- Int cost
- Int env_score

Scheduled Meeting Times + Mode of Communication:

[when will your team meet each week — you MUST meet during the weekly tutorial timeslot and we strongly recommend scheduling one more regular meeting time]
Meeting time outside of lab: **[Meet Sundays each week at 12pm]**
Mode of Communication: **[Instagram Group Chat and SMS]**