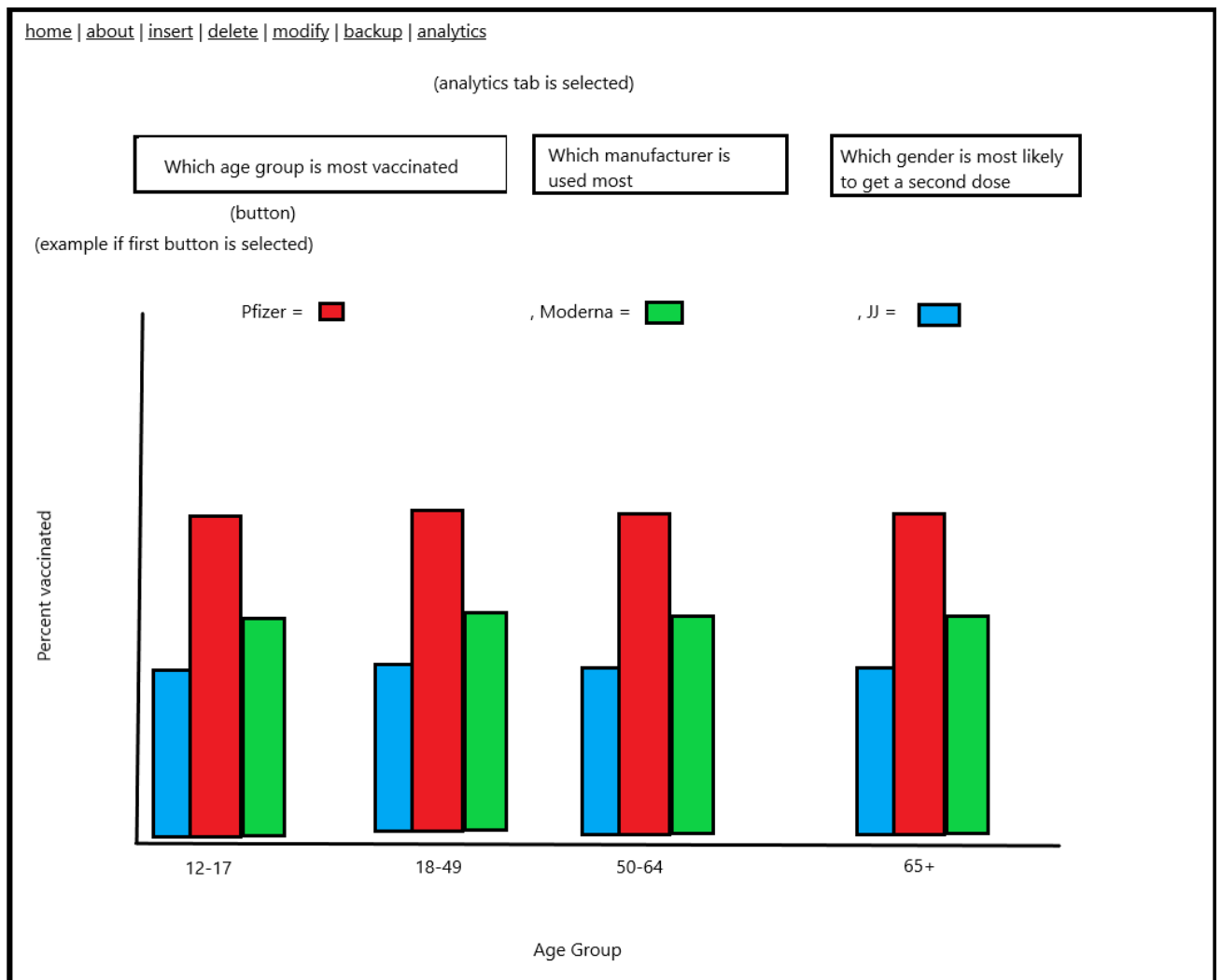


Sprint-5 Artifact

Features (user stories) to Implement:

- Data Analysis (involving the Questions of Interest)
 - Which age group is most vaccinated?
 - Which vaccine manufacturer is used most?
 - Which gender is more likely to get a second dose?

GUI Design:



Test Cases:

- As a user, I want to see which certain demographic is most/least vaccinated
 - Output: A graph of vaccine totals will be displayed as well as some mathematical models
 - Error Handling: Invalid inputs from insertion, deletion, and updates
- As a user, I want to see which age group is more likely to get vaccinated
 - Output: A graph comparison of age groups will display the analysis results
 - Error Handling: Invalid inputs from insertion, deletion, and updates
- As a user, I want to see which vaccine is administered the most
 - Output: A graph comparison of vaccine manufacturers will display the analysis results
 - Error Handling: Invalid inputs from insertion, deletion, and updates
- As a user, I want to see the rate of change from partially vaccinated to fully vaccinated
 - Output: A graph of rate of change will be displayed as well as some mathematical models
 - Error Handling: Invalid inputs from insertion, deletion, and updates

Taskboard (Done List):

- ➔ **Modify Value** button for updating (enter the ID of record to modify, then choose from a drop-down menu on which attribute to change, and then input a new value in the text box)
 - Responsible Person(s): Scott Mesdjian, Jason Chu
- ➔ **Create New Record** button for insertion (new page involving a “form”)
 - Responsible Person(s): Mahamadsaad Sheikh, Scott Mesdjian
- ➔ **Analysis for which vaccine** (Moderna, Pfizer, J&J) is the most popular among different races/ethnicities? (Implement a double-bar graph)
 - Responsible Person(s): Mahamadsaad Sheikh, Jason Chu
- ➔ **Analysis for which month** were the most/least people vaccinated? (Timeframe based graph)
 - Responsible Person(s): Hongan Zhang, Scott Mesdjian

To-Do List (Upcoming):

- **Analysis for which demographic** (i.e. ethnicity, age, gender) is the most/least vaccinated?
 - ◆ Responsible Person(s): Brayan Montiel, Hongan Zhang
- **Analysis for how different age groups** vaccination rates compare
 - ◆ Responsible Person(s): Jason Chu, Mahamadsaad Sheikh
- **Analysis for which vaccine manufacturer** was administered the most
 - ◆ Responsible Person(s): Mahamadsaad Sheikh, Jason Chu
- **Analysis for which gender** is more likely to get their second dose of vaccinations (i.e. become fully vaccinated)
[fully vaccinated over total (i.e. fully vs partially)]
 - ◆ Responsible Person(s): Scott Mesdjian, Brayan Montiel, and additional possible volunteers