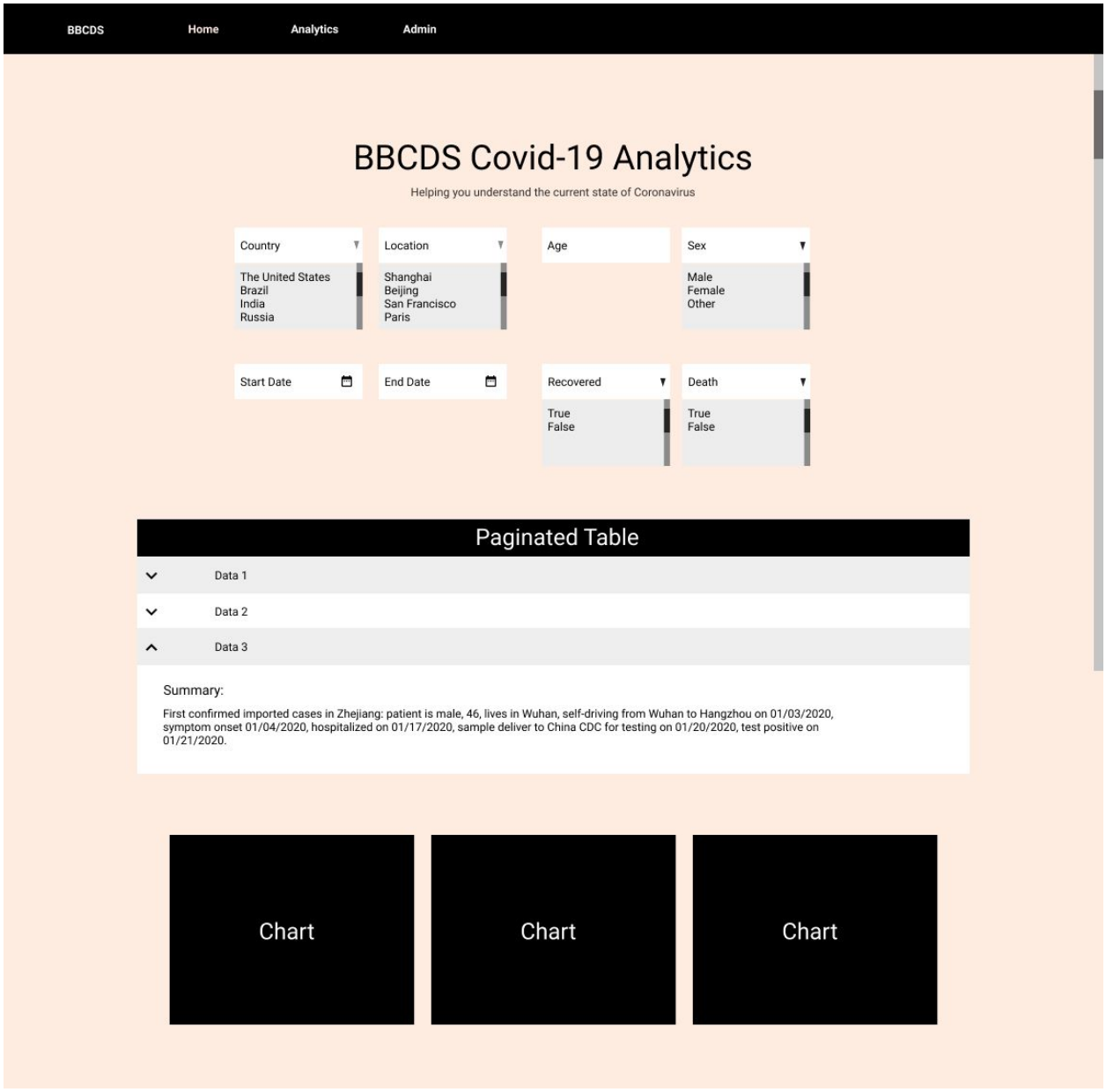
BBCDS Artifact LAB 7

Features:

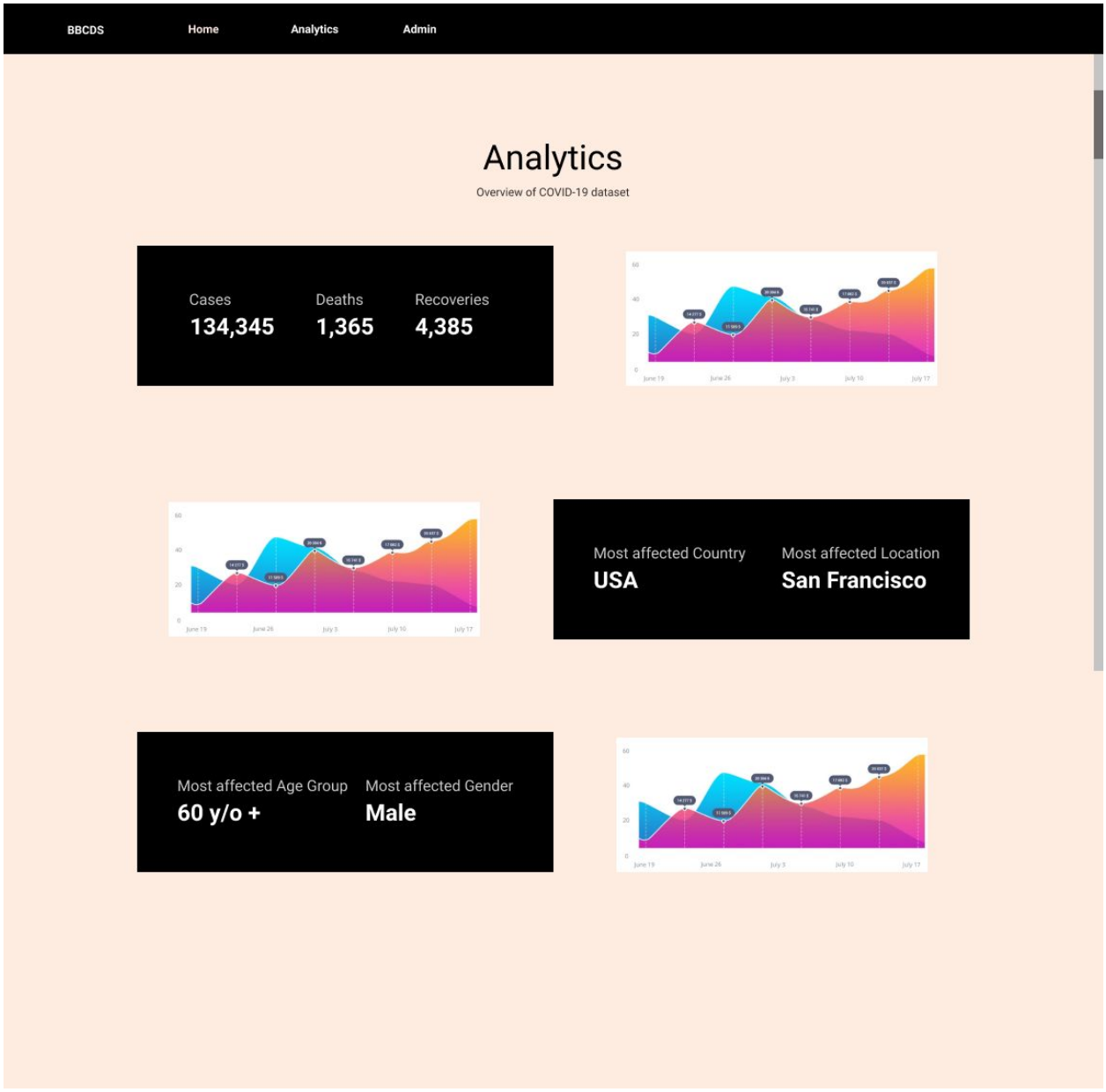
1. **11/5 Sprint-4**
    a. An analytics page dedicated to displaying analytics on the whole dataset. Allowing the user to quickly get an overview of the dataset without having to put in any work towards searching/filtering.
    b. In the analytics page. A display of the averages and total numbers for each data field that we support in the dataset.
    c. In the analytics page. Charts that visualize the whole dataset.
    d. Support for the “Location” data field from the csv dataset. Be able to search for covid cases by location.
    e. Support for displaying the “Summary” data field from the csv dataset. Modify the data table ui to add a collapsible dropdown to toggle visibility of the summary paragraph for each row of data in the data table.

GUI design:

Updated Homepage which shows the new searchable **Location input field.** And the added functionality in the data table that uses a collapsible dropdown to toggle the visibility of the **new Summary data field**.



New Analytics page that gives an overview of the dataset. Giving averages, total numbers, and charts that give a visual display of each column of data that we support.



Test Cases:

1. As a user in the Location input field I type out the incorrect spelling for a location.
    a. Correct Output: Add a strict dropdown with only options that are present in the dataset. (Must first scrape the dataset to collect all possible options for the locations column)
2. As a user the dropdown icon in each row of data in the data table is too small to click on
    a. Correct Output: Clicking the row will be sufficient in collapsing and uncollapsing the data row instead of having to aim at the small icon.
3. As a user I want to add numbers into the Location input field.

a. Correct Output: Add a strict dropdown with only options that are present in the dataset. Therefore, nothing but possible options or an empty field are able to be submitted.

Taskboard:

1. **10/29 Sprint Done List**
    a. Sprint Artifact Planning
    (finished by Everyone)
    b. UI design for homepage and admin page
    (finished by Everyone)
    c. Add Death and Recovered searchable field to the homepage
    (finished by Biqian & Dominic)
    d. Add Reporting Date searchable field to the homepage
        i. Using a date picker
    (finished by Biqian)
    e. Add a chart comparing death and recovered ratio
    (finished by Shuang)
    f. Implement a chart comparing confirmed cases in different age groups
    (finished by Dominic)
    g. Add a chart comparing confirmed cases by location when users specify country
    (finished by Dominic)
    h. Modify the backend search filter to accept a start and end date input field in order to return only data within that range.
    (finished by Dominic)
    i. Add backup and import functionality
    (finished by Dominic)
    j. Fix bugs throughout the project
    (finished by Everyone)
    k. Upload Demo video.
    (finished by Biqian)
2. **11/5 Sprint Todo List**
    a. Sprint Artifact Planning
    b. Setup the analytics page
    c. Total up each column of data in the dataset and store them in the analytics page to be ready for display purposes.
    d. Display the totals and averages and organize them based on their relevance to each other. Also display this in an easily digestible way for users to read.

e. Plug in the whole dataset into our existing charts and place them onto the analytics page.
f. Add the location input field into the homepage search ui.
g. Pass the location input value to the backend
h. Handle support for filtering by location on the backend
i. Modify the data table so that each row is collapsible. When not collapsed it'll show the data present in the Summary column.
j. Fix bugs throughout the project
k. Upload Demo video.