| Category | Specifics | URL / File & Line # | Mark |
| --- | --- | --- | --- |
| REST Services |  |  |  |
|  | Utilize information from Twitter API |  | 2 |
|  | Perform GET request generated from developed API |  | 2 |
|  | Perform POST request from developed API |  | 2 |
|  | Perform DELETE request from developed API |  | 2 |
|  | Create two GET request |  | 2 |
|  | Create two POST request |  | 2 |
|  | Create one PUT request |  | 2 |
|  | Create one DELETE request |  | 2 |
|  | Accept at least two parameters from client |  | 2 |
|  | At least two methods should be authenticated |  | 2 |
|  | Utilization of session within the developed API |  | 2 |
|  |  |  |  |
| Cloud platform | **(Heroku / DO)** |  |  |
|  | Successfully configure cloud service and needed software |  | 10 |
|  | Successfully deploy application code to the cloud |  | 10 |
|  |  |  |  |
|  |  |  |  |
| Database Connectivity |  |  |  |
|  | Successfully connect to database |  | 2 |
|  | Create user with associated database |  | 2 |
|  | Insert data into the database |  | 2 |
|  | Read data from database |  | 2 |
|  | Utilization of Limit & Offset |  | 2 |
|  |  |  |  |
| Data Visualization |  |  |  |
|  | Successfully Implementation of at least one visualization |  | 10 |
|  | Applicability to the problem |  | 2 |
|  | AJAX based information |  | 5 |
|  |  |  |  |
|  |  |  |  |
| CS Topic | **(Modularity / Scalability / Efficiency / Extensibility)** |  |  |
|  | Identification of at least one CS topic |  | 2 |
|  | Justification of the design factors selected |  | 10 |
|  | How well was the idea Implementation |  | 5 |
|  |  |  |  |
| IO Problem |  |  |  |
|  | Solution |  | 4 |
|  | Innovative |  | 5 |
|  | Works as Described |  | 5 |

Total 100 Marks

Notes the Computer Science (CS) Topic and Information Overload (IO) Problem will be assessed using a combination of the worded submission and the presentations.

# Bonus Marks

1. Make the charts interactive [5]
2. Use Git for deployment [5]

# Submission details

Each team is expected to submit the following:

1. The URL where the application is hosted
2. Any credentials required to access the account
3. The code and instruction on running the application
4. The project description file filled with URL and/or file # of the implemented feature **(speeds up the marking process, and helps you to ensure you have all things needed to gain the marks)**
5. PowerPoint and/or Word document highlighting important areas of the project