Attendee List

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| Bangalore Shivacharan – CEO | David Hong – product manager | Nayanjeet Medhi |
| Jaikumar Madhava | Satya Govindu | Jaychand |
| Pradeep KTR | Pradeep DV | Akshay |
| Sridhar | Jagan | Sajil |

Here is a list of things we discussed today –

1. The OpenFDA challenge Option 1 is chosen to be worked on and presented (<https://open.fda.gov/update/an-open-challenge-to-tap-public-data>)
2. We need to try and achieve all the three Levels mentioned as part of the challenge
3. Problem statement – “*Find a spike for a given drug query in the Adverse Events dataset and attempt explain it.*”
4. Background of the challenge is to “*facilitate easy access to public data, to ensure the security of public FDA data, and ultimately to educate the public and save lives*.”
5. OpenFDA provides access to three sets of data – Drug, Food and Devices. We chose to analyze the Drug data for this project.
6. People working on the prototype project.
   1. Product Manager – David Hong.
      1. David Hong has the authority to make the final decision about the features and technical implementation details.
      2. David is experienced in product management and project management.
      3. David will create the project plan and project schedule. He will assign people tasks and monitor the project progress.
      4. The project progress will be reported to upper management on a daily basis.
      5. David will lead the daily standup meetings.
   2. Team members– JC, Jai Kumar, Nayan, Sagnik, Srikanth, Akshay, Shridhar, Pradeep TR, Pradeep DV and Jagan.
7. Standup meetings will be held twice a day at 9.30 AM and 5.30 PM. Developers will report the task completed during the day, task planned for the next day and any challenges being faced.
8. The team to be broken down into three sub teams.
   1. API Development – Data Analysis, preparing the data, building the REST APIs, Real-time processing of data
   2. UI – Presentation of data to the end user’s consumption (graphical representation of analysis, support for multiple devices)
   3. DevOps (preparing the data for deployment, documentation, unit testing and packaging)
9. API Development Team to download the relevant data and analyze as part of the first day activity.
10. We will use cloud based Git repository for the project. We will also use this for defect tracking.
11. Everyone on the team to closely look at the APIs exposed by OpenFDA which must be used to get data with granular detail
12. The team came to a conclusion that the prospective user of the application is common public
13. Once the data is loaded, it needs to be analyzed for spike from different angles of drug composition, manufacturer, affected people (age, gender, etc.), time and date of events and so on.
14. Vivek to look in data.gov for publically available medical claim data
15. Work break down
    1. Sagnik to create git hub account creation
    2. Jai to look for project structure creation at a cloud platform like AWS
    3. JC to analyze data and start looking into the presentation layer
16. Useful Links –
    1. <https://open.fda.gov/update/an-open-challenge-to-tap-public-data>
    2. <https://open.fda.gov/api/reference/>
    3. <https://open.fda.gov/api/reference/#result-format>
    4. <https://open.fda.gov/api/reference/#authentication>
    5. <https://open.fda.gov/api/reference/#https-requests>
    6. <https://open.fda.gov/api/reference/#query-parameters>
    7. <https://open.fda.gov/api/reference/#query-syntax>
    8. <https://open.fda.gov/api/reference/#example-query>
    9. <https://open.fda.gov/api/reference/#openfda-fields>
    10. <http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Surveillance/AdverseDrugEffects/ucm082193.htm>