

<b>Team:</b> <b><u>Scrumptious</u></b>	<b>Software Engineering</b>	<b>Section: A</b>
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## **Project Plan Document**

### **Lifecycle model followed:**

Our team has decided to follow the Agile methodology during the course of our project. There are several benefits pertaining to our project with the Agile model.

The agile model allows us to quickly adapt to any change in the product requirements at any time. Any change or maintenance in the product can be added in without much hassle.

The agile model also reduces waste as the resources used are minimized.

One of the main reasons we are using the agile methodology are for the predictable deliverable dates. A new functionality is released at regular intervals and brings a high level of uniformity.

Since we can implement changes in the project at any time, the end-user/customer is kept happy and is the first priority.

Team performance is much higher in general following the agile methodology as Set tasks need to be completed in time.

## **Tools used:**

- Jira for project planning and management of work. It can also be used for bug tracking and version control.
- Streamlit for design and frontend. It allows you to integrate your modules directly with the frontend
- Selenium for product testing.
- Python as a development tool for the project.

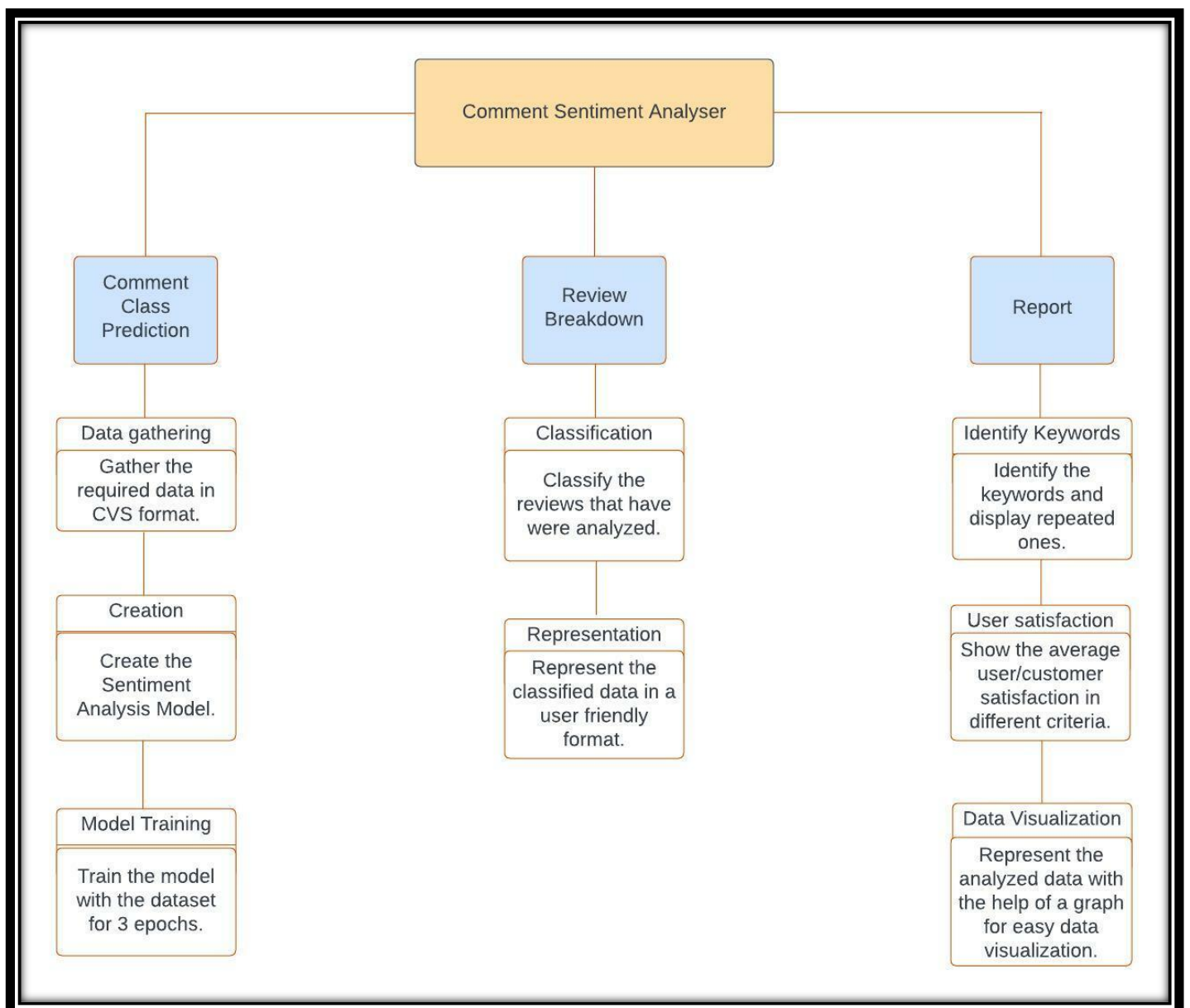
## **Project Deliverables:**

Our project has the following deliverables:

- Accurately predicting whether a comment written lies under the positive, negative or neutral class
- A breakdown of the reviews under the different classes and the keywords.
- A report generated to help the business understand/improve their user satisfaction.

## WBS for Functionalities

The work breakdown structure for our product is:



## **Estimate of Efforts required to complete each task in terms of person months:**

### **A rough estimate of the time needed to complete each deliverable:**

- Comment class prediction: 3 weeks
- Review Breakdown: 2 weeks
- Report and Graphical Representation: 3 weeks.

## **Gantt Chart:**

