

Ministry/Organization name: Indian Space
Research Organization (ISRO)

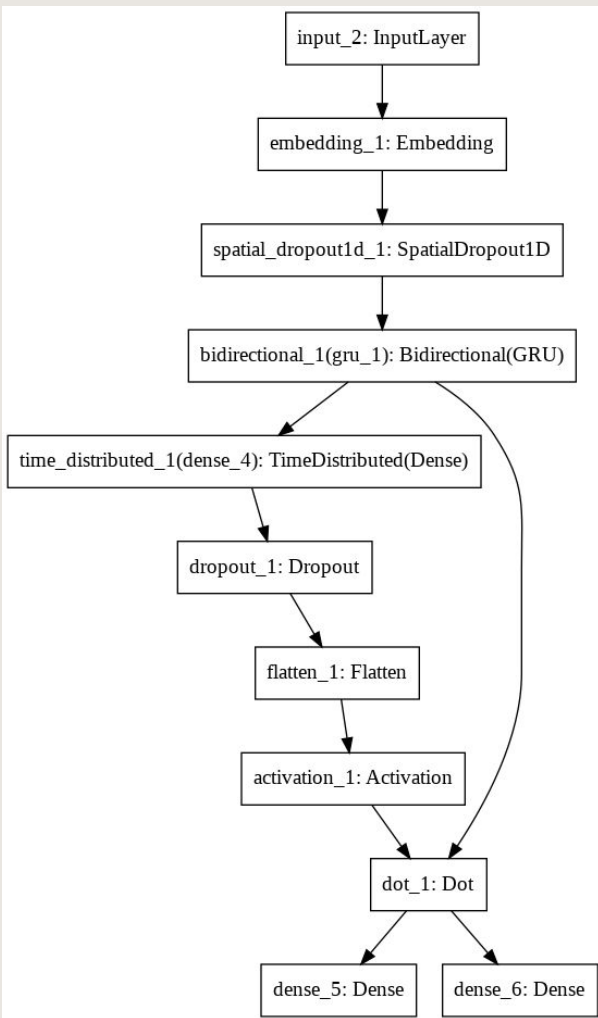
Problem Statement: Sentiment Analysis from
text feedback (NM396)

Team Name: Exit Code1

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MODEL

- Model trained on 6 million Amazon reviews
- Stemming and Lemmatizing the dataset and tokenizing sentences with a vocabulary size of more than 4 lakh words
- Improvising on the **hierarchical attention model** we were able to achieve much better results on real life reviews (Accuracy: 77.35%, Precision: 79.39%, Recall:74.77%)

WEBSITE

- User friendly interface with our Web and Desktop Application
- Support for **most commonly used languages** across the world
- Integration of the Sentiment model with our robust **API**
- Giving an overview of the statistical analysis of the predictions
- Support for Individual Reviews, **CSV, Databases** and JSON formats for hassle free batch predictions



USE CASES

Automatically
classifying the
sentiment of a
particular
audience

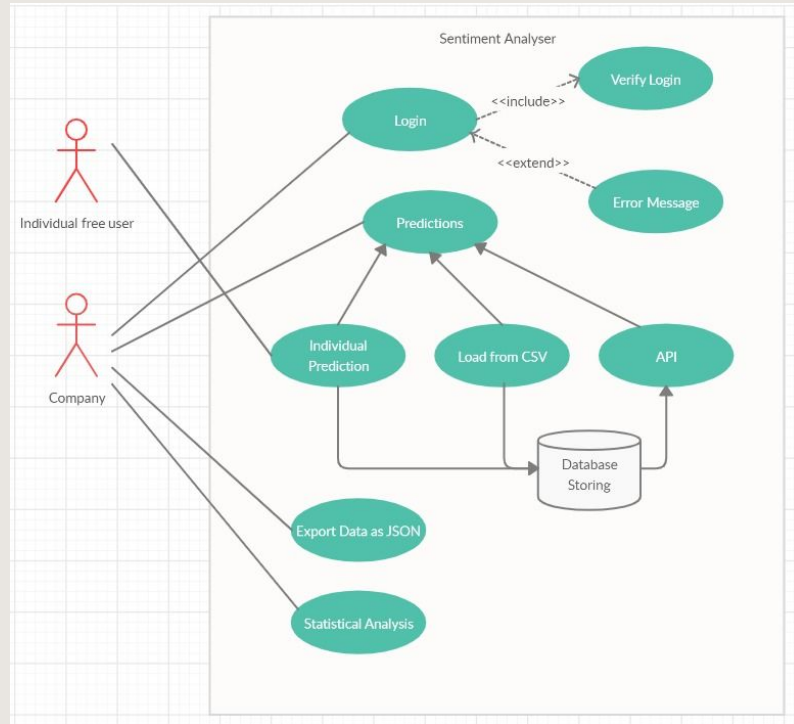


Can detect negative
feedback towards the
website/product and
accordingly assign
them an **emergency
priority**



Can be efficiently
integrated into
already existing
**feedback
management
systems**

Can be used to extract
the **context** of the
feedback and assign it
a tag which can be
used to group similar
feedbacks



TECHNOLOGICAL STACK



kivy

django



Flask

