Files required for capstone project submition

- Project Proposal
- Project Report
- Development code:
 - Exploratory Analysis and Preprocessing Notebook
 Notebook for Exploring, visualizing and cleaning the data
 - 2. Initial model Notebook Notebook for creating, training and testing initial model
 - Hyperparameter Notebook
 Notebook for creating pipeline, tuning hyperparameters, choosing the best model and evaluating it
 - 4. Testing the model with custom input
 Notebook for loading the model and giving the user the ability to test the model
 with custom input (comment). For testing custom comments, add your comment
 to input_comment list and run last two sections. Predictions will be printed as
 pandas dataframe with with predicted toxicity classes. If all values are 0 input
 comment is predicted as not toxic.

Software

python==3.7.3

Install requirements with pip install -r requirements.txt

Used libraries:

- pandas==0.24.2
- scikit-learn==0.20.3
- Keras==2.2.4
- tensorflow==2.0.0

Data

Data was provided by Kaggle competition: https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge/data

Please extract data to data/folder