IAS : Assignment 4 : API

You Have to make following files

1. `model.ipynb`

- This file contains the AI model training testing and Code to save Model.

2. `server.py`

- This file will allow the saved model to exposed as API to end user.

3. `mobileApp.py`

- This file will be used as end user to `server.py` to make API call.

4. `readme.md`

- You have to explain how your each file is related to below defined roles.

Roles

Role 1 (AI model developer)

Takes data and trains the model, develop a service around the model

Role 2 (End App developer)

This End App uses the model trained by Role 1.

Role 3 (Deployer)

Deploy the service made by role 1 into the AI production platform.

Role 4 (AI production platform)

Only the AI service is deployed here. (We do not care about deployment of mobile app)

Role 5 (End user)

Accesses the mobile app.

Model Details

Dataset :

- https://www.kaggle.com/c/titanic/overview

Description:

- Use **Decision Tree** to create a model that predicts which passengers survived or not the Titanic shipwreck.

- Survived (Print your binary predictions: 1 for survived, 0 for deceased)

Model:

- Use **Decision Tree** for training.

- You can **use library functions only to train the model.**

Submission Format

- <roll_num>_A4_API.zip