Components
1. Train and Test Datasets (sourced from Kaggle and put into S3 Bucket
2. Amazon S3 (for storage)
3. Amazon SageMaker (model training)
4. Endpoint Instance
5. API

The inputs will be the training dataset from the Kaggle competition, and the output will be a model that can be reached through an API gateway that I will use the test dataset to evaluate. Once the data is taken from Kaggle it will be stored in an S3 bucket. Actions and code inside of the jupyter notebook hosted on a kaggle machine will be used to get data from one component to another.

Kaggle Notebook

Kaggle Data

credentials (access S3 and use SageMaker)

training

Aws Cloud

model

S3

SageMaker

IAM User

IAM

model

model

Endpoint

API Gateway

Users