Movie recommendation System

This a system that recommend movies for users based on their favorite film genre and movies the recently interacted with

1. **Data Collection:** First thing to do is to collect the user data e.g preference of film genre watch history, like history

2. **Algorithm selection:** The are different algorithm that can be used to build this system e.g
   a. Content base filtering
   b. Matrix factorization
   c. Etc.

   The algorithm selection may also matter base on the data

3. **Model Training:** Once we have selected the algorithm we then train a model on the data. This data could be collected from various sources such as datasets, sensor data or other sources. Model training involves using the training set to optimize the model parameter after splitting the data into training and test sets

4. **Model Evaluation:** Once we are done with the model training we need to evaluate its performance on the testing set. For measuring the accuracy of the model we can use F1 score

5. **Deployment**: Once the model has been evaluated to a good or high performance we can now deploy it