**User**

1. Signup

Details != “” ^ username **not** in UserList

=>

addUser(Details)

Where,

Details = List of user information

UserList = List of Registered Users

2. Login

username ~= “” ^ password ~= “” ^ (username, hash(password)) in UserList

=>

loginUser(username, session\_id)

Where,

UserList = List of Registered Users

3. History

Session\_cookies ~= “”

=>

getUsername(session\_cookies, username) ^

returnHistory(username)

Where,

session\_cookies = cookies stored for the logged in user

Username = username of the logged in user

4. Generate Model:

model\_choice ~= “” ^ algorithm ~= “” ^ parameters ~= “” ^ training\_data ~= “”  
=>

generateModel(model\_choice, algorithm, parameters, training\_data, MLModel) ^

saveModel(MLModel, MLDB)

Where,

MLModel = ML Model generated by the function

MLDB = Database used to store ML Models

5. Test Model:

(MLModel in MLDBList ^ test\_data ~= “”

=>

testModel(MLModel, test\_data, results) ^

displayResults(results)

) V

(MLModel **not** in MLDBList ^ model\_choice ~= “” ^ algorithm ~= “” ^ parameters ~= “” ^ training\_data ~= “”

=>

generateModel(model\_choice, algorithm, parameters, training\_data, MLModel) ^

saveModel(MLModel, MLDB) ^

testModel(MLModel, test\_data, results) ^

displayResults(results)

)

where,

MLDBList = List of ML Models in DB

results = information related to tested models

**Pro User**

6. Related Models:

MLModel ~= “”

=>

extractAlgorithm(MLModel, algorithm) ^

findRelatedModel(algorithm, ModelList) ^

DisplayList(ModelList)

Where,

algorithm = algorithm used in model

ModelList = List of related models