

# Software Testing Specification: Tinder Clone

## Instructions:

1. Ensure the following text files are in the root directory: *user\_db.txt*, *profile\_db.txt*, *match\_db.txt*, *location\_db.txt*
2. Run the *TestRunner* class to cycle through test cases for all modules.
3. Observe results – any failures will be noted in the output with relevant details.

## **DataStore Module: Test Classes**

### **1. DataEntry**

- 1.1 TestGetByField
- 1.2 TestSetByField

### **2. DataEntryList**

- 2.1 TestAddEntry
- 2.2 TestGetNextEntry
- 2.3 TestCurrentEntry

### **3. DataHost**

- 3.1 TestListen
- 3.2 TestSend
- 3.3 TestSetMaxClients
- 3.4 TestAddValue

### **4. DataManager**

- 4.1 TestLogin
- 4.2 TestAddProfile
- 4.3 TestAddMatch
- 4.4 TestRegister
- 4.5 TestGetProfile
- 4.6 TestEditProfile
- 4.7 TestGetMatches
- 4.8 TestGetNearbyMatches
- 4.9 TestGetRange
- 4.10 TestGetRandomLocation
- 4.11 TestGetDistance

### **5. DataRequest**

- 5.1 TestSend
- 5.2 TestSetServer
- 5.3 TestSetPort

5.4 TestAddValue

**6. DataStore**

6.1 TestSetPath

6.2 TestGetPath

6.3 TestOpenDB

6.4 TestCloseDB

6.5 TestSetDataEntry

6.6 TestGetDataEntry

**7. DataValue**

7.1 TestGetName

7.2 TestSetName

7.3 TestGetValue

7.4 TestSetValue

***Match Module: Test Classes***

**8. Profile**

8.1 TestGetID

8.2 TestGetName

8.3 TestSetName

8.4 TestPrint

**9. Filter**

9.1 TestEditFilterSetting

9.2 TestFilterProfiles

9.3 TestGetName

9.4 TestGetValue

9.5 TestCompare

**10. Location**

10.1 TestGetDistance

**11. Match**

11.1 TestGetProfile

11.2 TestGetMatchDate

11.3 TestGetUserID

**12. MatchList**

12.1 TestAddMatch

12.2 TestGetNextMatch

12.3 TestGetMatch

### **13. MatchSystem**

- 13.1 TestGetMatchHistory
- 13.2 TestGetMutualMatches
- 13.3 TestCreateMatch
- 13.4 TestGetMatches

### ***Login Module: Test Classes***

### **14. Picture**

- 14.1 TestGetPath
- 14.2 TestSetPath

### **15. Registration**

- 15.1 TestSetUsername
- 15.2 TestSetPassword
- 15.3 TestGetUsername
- 15.4 TestGetPassword

### **16. ProfileList**

- 16.1 TestAddProfile
- 16.2 TestGetNextProfile
- 16.3 TestGetProfile

### **17. Attribute**

- 17.1 TestGetUserValue
- 17.2 TestGetPrefValue
- 17.3 TestGetName
- 17.4 TestGetAge
- 17.5 TestGetGender
- 17.6 TestGetBio
- 17.7 TestSetUserValue
- 17.8 TestSetPrefValue
- 17.9 TestSetName
- 17.10 TestSetAge
- 17.11 TestSetGender
- 17.12 TestSetBio

### **18. Authentication**

- 18.1 TestAuthentication
- 18.2 TestSetTarget

## **19. Login**

- 19.1 TestIsActive
- 19.2 TestLogin
- 19.3 TestLogout

## **20. Register**

- 20.1 TestRegister
- 20.2 TestSetUsername
- 20.3 TestSetPassword
- 20.4 TestGetUsername
- 20.5 TestGetPassword

## **21. User**

- 21.1 TestGetProfile
- 21.2 TestGetAccount
- 21.3 TestGetUsername
- 21.4 TestGetUserID
- 21.5 TestIsActive
- 21.6 TestGetRandomLocation