**TESTING TECHNIQUES**

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| **Stress Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
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| **Recovery Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *WCF Service is not available* | *Service is off* | *Message to be displayed that service is not available* | *Message to be displayed that service is not available* | *Pass* | *None.* |
|  | *Database is not available* | *Database in not available* | *Message to be displayed that database is not available* | *Message to be displayed that database is not available* | *Pass* | *None.* |

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| **Operations Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  |  |  |  |  | *Pass* | *None.* |

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| **Compliance Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *.NET Framework not supported WCF Technology* | *Use .NET Framework version 2.0* | *The Application is not working* | *The Application is not working* | *Pass* | *None.* |

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| **Security Testing** | | | | | | |
| ***S.No.*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Login: only registered users with a user id and password can enter.* | *Valid user id and password.* | *It will be redirecting to Main Menu.* | *It will be redirecting to Main Menu* | *Pass* | *None.* |
|  | *Order: only registered users with a user id and password can buy character.* | *Valid user id and password.* | *User Bought Character.* | *User Bought Character.* | *Pass* | *None.* |
|  | *Play Game: only registered users with a user id and password can buy character.* | *Valid user id and password.* | *It will be redirecting to Play Game* | *It will be redirecting to Play Game* | *Pass* | *None.* |

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| **Requirements Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Register a new user.* | *Do register with the valid parameters.* | *Register has been successfully.* | *Register has been successfully.* | *Pass* | *None.* |
|  | *User login.* | *Do login with registered account.* | *Show the Main Menu* | *Show the Main Menu* | *Pass* | *None.* |
|  | *User logout.* | *Do logout.* | *User logged out and redirecting to Login page.* | *User logged out and redirecting to Login page.* | *Pass* | *None.* |
|  | *User give Buy Character* | *Buy Character with the valid parameters.* | *Data is sent to database and show in list character base user have.* | *Data is sent to database and show in list character base user have* | *Pass* | *None.* |

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| **Regression Testing** | | | | | | |
| ***S.No*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Re-run the application after adding new features* | *Features meet the consumer needs* | *Program runs perfectly* | *There’s a bunch of error line in the code* | *Fail* | *The developer should recover this error immediately* |

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| **Error-handling Testing** | | | | | | |
| ***S.No.*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Login: only registered users with a user id and password can enter.* | *Invalid user id and password.* | *Showing an error alert “Invalid username or password!”* | *Showing an error alert.* | *Pass* | *None* |
|  | *Register the new user.* | *Username and Password that have been registered.* | *Message to be displayed: Username and Password is already existing.* | *Message to be displayed: Username and Password is already existing.* | *Pass* | *None* |
|  | *Register the new user* | *Every text fields are empty* | *Error* | *Message to be displayed: Fields cannot leave empty.* | *Fail* | *None* |
|  | *Order Character* | *Point less than character price* | *Message to be displayed: Cannot Buy This Character* | *Message to be displayed: Cannot Buy This Character* | *Pass* | *None* |
|  | *Order Character* | *Buy Same Character* | *Message to be displayed: Sorry you cannot buy the same character* | *Message to be displayed: Sorry you cannot buy the same character* | *Pass* | *None* |
|  | *Register the new user* | *Fill mismatch passwords.* | *Message to be displayed: Sorry your password is mismatch.* | *Message to be displayed: Sorry your password is mismatch.* | *Pass* | *None* |

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| **Manual-support Testing** | | | | | | |
| ***S.No.*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Clicking the Home link.* | *Clicking Home link* | *Display Home page.* | *Display Home page.* | *Pass* | *None* |
|  | *Clicking the Buy Character* | *Clicking Buy Character link* | *Display Buy Character Form.* | *Display Buy Character Form.* | *Pass* | *None* |
|  | *Clicking the Register link.* | *Clicking Register link* | *Display Register page.* | *Display Register page.* | *Pass* | *None* |
|  | *Clicking the playing game link.* | *Clicking the playing game link.* | *Display the playing game page.* | *Display the playing game page.* | *Pass* | *None* |
|  | *Clicking the login link.* | *Clicking login link* | *Display login page.* | *Display login page.* | *Pass* | *None* |
|  | *Clicking the submit button on Suggestion page.* | *Clicking the submit button.* | *Suggestion has been sent and shown in the Home page* | *Suggestion will be sent and shown in the Home page* | *Pass* | *None* |
|  | *Clicking the Login button on Login page.* | *Clicking the login button* | *It shows the dashboard if the user input the correct id and password.* | *It will show the dashboard if the user input the correct id and password.* | *Pass* | *None* |
|  | *Clicking the Register button on Register page* | *Clicking the Register button.* | *Register is submitted.* | *Register will be submitted.* | *Pass* | *None* |

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| **Intersystem Testing** | | | | | | |
| ***S.No.*** | ***Test Cases*** | ***Test Data*** | ***Actual Test Results*** | ***Expected Test Results*** | ***Pass or Fail Test Criteria*** | ***Comments*** |
|  | *Do insert data.* | *Database is not available.* | *WCF Service throws SQL Fault Exception.* | *User cannot insert data.* | *Pass* | *None.* |
|  | *Do insert data.* | *Database is available.* | *User can insert data.* | *User can insert data.* | *Pass* | *None.* |
|  | *Do insert data.* | *WCF is not available* | *WCF Service throws Communication Fault Exception.*  *Will be redirecting to “Service is not available” page.* | *User cannot order.* | *Pass* | *None.* |
|  | *Do login user.* | *Database is not available* | *WCF Service throws SQL Fault Exception.* | *User cannot login.* | *Pass* | *None.* |
|  | *Do login user.* | *Database is available* | *User’s dashboard will be displayed.* | *User can login.* | *Pass* | *None.* |
|  | *Do login user.* | *WCF is not available* | *WCF Service throws Communication Fault Exception.*  *Will be redirecting to “Service is not available” page.* | *User cannot login.* | *Pass* | *None.* |