# Authorize Hospital Function

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| **Test Case ID** | | #W\_01 | **Test Case Description** | | Test the Authorize Hospital Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| 3 |  | | |  | 3 | Hospital Name = Zurich Hospital | | | | |
| 4 |  | | |  | 4 |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID, Hospital Name. National Authority can add a new hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID, Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Notification: Your new hospital is added successfully | | As Expected | | | Pass | | |

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| **Test Case ID** | | #W\_02 | **Test Case Description** | | Test the Authorize Hospital Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = none | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| 3 |  | | |  | 3 | Hospital Name = Zurich Hospital | | | | |
| 4 |  | | |  | 4 |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID, Hospital Name. National Authority can add a new hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital ID, Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_03 | **Test Case Description** | | Test the Authorize Hospital Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = none | | | | |
| 3 |  | | |  | 3 | Hospital Name = Zurich Hospital | | | | |
| 4 |  | | |  | 4 |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID, Hospital Name. National Authority can add a new hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_04 | **Test Case Description** | | Test the Authorize Hospital Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| 3 |  | | |  | 3 | Hospital Name = none | | | | |
| 4 |  | | |  | 4 |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID, Hospital Name. National Authority can add a new hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_05 | **Test Case Description** | | Test the Authorize Hospital Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = account != web3.eth.accounts[0] (# National Authority Address) | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| 3 |  | | |  | 3 | Hospital Name = Zurich Hospital | | | | |
| 4 |  | | |  | 4 |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID, Hospital Name. National Authority can add a new hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID, Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | "Error: This is not the NA account, please change your account!" | | As Expected | | | Fail | | |

# Authorize Employee Function

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| **Test Case ID** | | #W\_06 | **Test Case Description** | | Test the Authorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Employee Address = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 3 |  | | |  | 3 | Employee ID = 99770 | | | | |
| 4 |  | | |  | 4 | Employee name = Moore | | | | |
|  |  | | |  |  | Employee’s Hospital Name = Zurich Hospital | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name. A hospital can add a new employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Employee option | | Employee Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | "The Trainee has been authorized successfully on the BlockChain !" | | As Expected | | | Pass | | |

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| **Test Case ID** | | #W\_07 | **Test Case Description** | | Test the Authorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Employee Address = None | | | | |
| 3 |  | | |  | 3 | Employee ID = 2001 | | | | |
| 4 |  | | |  | 4 | Employee name = Moore | | | | |
|  |  | | |  |  | Employee’s Hospital Name = Zurich Hospital | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name. A hospital can add a new employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Employee option | | Employee Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | "Error: Invalid Address" | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_08 | **Test Case Description** | | Test the Authorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Employee Address = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 3 |  | | |  | 3 | Employee ID = none | | | | |
| 4 |  | | |  | 4 | Employee name = Moore | | | | |
|  |  | | |  |  | Employee’s Hospital Name = Zurich Hospital | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name. A hospital can add a new employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Employee option | | Employee Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Employee Address, Employee name, Employee’s Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_09 | **Test Case Description** | | Test the Authorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Employee Address = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 3 |  | | |  | 3 | Employee ID = 2001 | | | | |
| 4 |  | | |  | 4 | Employee name = none | | | | |
|  |  | | |  |  | Employee’s Hospital Name = Zurich Hospital | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name. A hospital can add a new employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Employee option | | Employee Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Employee Address, Employee ID, Employee’s Hospital Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

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| **Test Case ID** | | #W\_010 | **Test Case Description** | | Test the Authorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Employee Address = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 3 |  | | |  | 3 | Employee ID = 2001 | | | | |
| 4 |  | | |  | 4 | Employee name = Moore | | | | |
|  |  | | |  |  | Employee’s Hospital Name = none | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Employee Address, Employee ID, Employee name, Employee’s Hospital Name. A hospital can add a new employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Authorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Authorize Employee option | | Employee Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Employee Address, Employee ID, Employee Name | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Authorize Hospital | | Error: Your information is not correct, check your information again ! | | As Expected | | | Fail | | |

# Unauthorize Hospital

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| **Test Case ID** | | #W\_011 | **Test Case Description** | | Test the Unauthorize Hospital function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address = 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID. A National Authority should delete a hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Unauthorize Hospital | | "This Hospital has been deleted !" | | As Expected | | | Pass | | |

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| **Test Case ID** | | #W\_012 | **Test Case Description** | | Test the Unauthorize Hospital function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address # National Authority | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Hospital ID = 1 | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address, Hospital ID. A National Authority should delete a hospital | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Hospital option | | Hospital Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Unauthorize Hospital | | "Error: Only National Authority can execute this !" | | As Expected | | | Fail | | |

# Unauthorize Employee

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| **Test Case ID** | | #W\_012 | **Test Case Description** | | Test the Unauthorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | TraineeAddress = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Trainee ID = 2001 | | | | |
| **Test Scenario** | Verify on entering valid Trainee address, Trainee ID. A hospital can delete an employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Trainee option | | Employee Form Should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Unauthorize Hospital | | "This Trainee has been deleted !" | | As Expected | | | Pass | | |

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| **Test Case ID** | | #W\_013 | **Test Case Description** | | Test the UnAuthorize Employee Function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Fail | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
|  |  | | |  | 1 | Account != Hospital address | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 2 | TraineeAddress = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 3 | Trainee ID = 2001 | | | | |
| **Test Scenario** | Verify on entering valid Trainee address, Trainee ID. A hospital can delete an employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Trainee option | | Employee Form Should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital Address, Hospital ID | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Unauthorize Hospital | | "Error: This account is not a hospital, please check the information again !" | | As Expected | | | Pass | | |

# Add record

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| **Test Case ID** | | #W\_014 | **Test Case Description** | | Test the adding record function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | TraineeAddress = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | ID record = 7715 | | | | |
|  |  | | |  | 3 | Certificate = “This trainee has achieved level 2 of supervision” | | | | |
| **Test Scenario** | Verify on entering valid Trainee address, Trainee ID. A hospital can delete an employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Trainee option | | Employee Form Should open | | As Expected | | | Pass | | |
| 3 | Enter TraineeAddress, ID record, Certificate | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Submit buton | | Employee Name, Employee ID, Employee Hospital Address, Record Hashing, Signature should be displayed automatically | | As Expected | | | Pass | | |
| 5 | Click Add record button | | "Trainee Record is added successfully !" | | As Expected | | | Pass | | |

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| **Test Case ID** | | #W\_015 | **Test Case Description** | | Test the adding record function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | TraineeAddress = 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | ID record = 7715 | | | | |
|  |  | | |  | 3 | Certificate = “This trainee has achieved level 2 of supervision” | | | | |
| **Test Scenario** | Verify on entering valid Trainee address, Trainee ID. A hospital can delete an employee. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Unauthorize.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Unauthorize Trainee option | | Employee Form Should open | | As Expected | | | Pass | | |
| 3 | Enter TraineeAddress, ID record, Certificate | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Submit buton | | Employee Name, Employee ID, Employee Hospital Address, Record Hashing, Signature should be displayed automatically | | As Expected | | | Pass | | |
| 5 | Click Add record button | | "Trainee Record is added successfully !" | | As Expected | | | Pass | | |

# Look Up Function

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_016 | **Test Case Description** | | Test the Look Up function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Hospital Address= 0xED73b3c7d4121f4627115DB7Cc99CDB79D96bFb5 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  |  |  | | | | |
| **Test Scenario** | Verify on entering valid Hospital Address.A user should be able to look up information. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Look\_up.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Hospital Searching option | | Hospital Searching Form should open | | As Expected | | | Pass | | |
| 3 | Enter Hospital address | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Search Button | | Result table should display to see the information | | As Expected | | | Pass | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_017 | **Test Case Description** | | Test the Look Up function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Employee Address= 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  |  |  | | | | |
| **Test Scenario** | Verify on entering valid Employee Address. | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Look\_up.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Employee Searching option | | Employee Searching Form should open | | As Expected | | | Pass | | |
| 3 | Enter Employee Address. | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Search Button | | Result table should display to see the information | | As Expected | | | Pass | | |

# Sign Function

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_018 | **Test Case Description** | | Test the Sign function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Certificate: This trainee has achieved level 2 of supervision | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  |  |  | | | | |
| **Test Scenario** | Verify on entering valid Certificate | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Sign\_Verify.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Sign Option | | Sign Form should open | | As Expected | | | Pass | | |
| 3 | Enter Certificate | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Sign Button | | The Signature should be displayed | | As Expected | | | Pass | | |

# Verify Function

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_019 | **Test Case Description** | | Test the Verify function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Certificate: This trainee has achieved level 2 of supervision | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  | 2 | Signature: 0x5f811811c08fab59e31b8fbc8754cc07c47221b9741a7  2e986b6b6cfde5af68266d3a796c7cc410035f5d4baaf276be62ad5  668035935c3eb7dba95710bde29b01 | | | | |
| **Test Scenario** | Verify on entering valid Certificate and Signature | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Sign\_Verify.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Verify Option | | Verify Form should open | | As Expected | | | Pass | | |
| 3 | Enter Certificate and Signature | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Verify Button | | The account’s signer must be displayed | | As Expected | | | Pass | | |

# Look Up Employee Records

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_020 | **Test Case Description** | | Test the Look Up Latest Record function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Employee Address: 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  |  |  | | | | |
| **Test Scenario** | Verify on entering valid Certificate | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Look\_Up\_Records.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Latest Records Searching Option | | Latest Records Form should open | | As Expected | | | Pass | | |
| 3 | Enter Employee Address | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Search Button | | Result table should be displayed | | As Expected | | | Pass | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | #W\_021 | **Test Case Description** | | Test the Look Up Full Record function | | | | | |
| **Tester's Name** | | Ngo Vinh Hien | **Date Tested** | | 22th May 2019 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Using Ganache to generate free accounts | | |  | 1 | Employee Address: 0xF1026fF221fD6FBBb7e385d736360Dacc1902990 | | | | |
| 2 | Connect Web Application with the Smart Contract on Remix IDE | | |  |  |  | | | | |
| **Test Scenario** | Verify on entering valid Certificate | | | | | |  |  |  |  |
| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | |
|
| 1 | Navigate to Look\_Up\_Records.html Page | | Site should open | | As Expected | | | Pass | | |
| 2 | Select Full Records Searching Option | | Full Records Form should open | | As Expected | | | Pass | | |
| 3 | Enter Employee Address | | Credential can be entered | | As Expected | | | Pass | | |
| 4 | Click Search Button | | Result table should be displayed | | As Expected | | | Pass | | |