Unit test plan for the class “staffAccount”

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Number: | Test Case: | Actor | Variables Used: | Functions Used: | Inputs: | Expected Result: | Required Expectations: |
| 1 | Add the staff members name and check that it has set it | Manager | staffName : String | setStaffName(staffName: String)  getStaffName() | Name of the staff member | The setter should set the name and then the getter should get the name | N/A |
| 2 | Set the staff photo and check that it has uploaded | Manager | photoStaff: Photo | setStaffPhoto(photoStaff : Photo)  getStaffPhoto() | Jpg or png of the photo | The setter will need to have an upload feature where the manager can upload the picture and then using the getter check the image | Staff Name |
| 3 | Set the staff member age and check that it has set it | Manager | staffage: Integer | setStaffAge(staffage: Integer)  getStaffAge() | Age of the staff member | The setter should et the age using an input box and then the getter should show it | Staff Name  Staff Photo |
| 4 | Choose the staff gender with an option list and check that it has worked | Manager | staffGender : String | setStaffGender(staffGender: String)  getStaffGender() | Choose the staff gender | The setter should be an option select where you select the option of the gender from an option list and the getter that checks that the gender has gone through | Staff Name  Staff Photo  Staff Age |
| 5 | Enter the staff address with different input boxes but then combine them with the setter and display it | Manager | staffAddress: String | setStaffAddress(staffAddress: String)  getStaffAddress() | Address Line 1 and 2  Postcode  City  County | The setter should set the string in a format where the getter can then display them line by line | Staff Name  Staff Photo  Staff Age  Staff Gender |
| 6 | Staff Phone Number should be entered in an input box with validation and then displayed to check it | Manager | staffNumber: Integer | setStaffNumber(staffNumber: Integer)  getStaffNumber() | N/A | The setter should be used to get the input box and check that the phone number is valid by checking how many digits it has and then displaying it using the getter | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address |
| 7 | Staff Email address needs to be entered in an input box with validation and then displayed to check it | Manager | staffEmail: String | setStaffEmail(staffEmail: String)  getStaffEmail() | Email address | The setter should check if the email ends in either or .com, .co.uk, .org etc and has a @ in it so it’s a valid email and then getter is used to display it | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number |
| 8 | Staff Job Title can be chosen from an option list (Nurse, receptionist, doctor onsite manager) and then the display it to check it | Manager | staffTitle: String | setStaffTitle(staffTitle: String)  getStaffTitle() | Choose Title | The setter should read from the option list and set the variable as that option only and the getter displays that title | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email |
| 9 | Staff ID should be generated using an algorithm | Manager | staffID: Integer | setStaffID(staffID: Integer)  getStaffID() | N/A | The setter should be used to generate the numbers a unique 6-digit number and then the getter should display it. | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email  Staff Job Title |
| 10 | Staff ID Optional | Manager | staffID: Integer | setStaffID(staffID: Integer)  getStaffID() | N/A | If the Manager chooses the staff id can be skipped with a check box if not required | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email  Staff Job Title |
| 11 | Generate the Crownpass User ID using the same methods as the other subsystem and displaying it to check it | Manager | crownpassUserID: String | setStaffCrownpassID(crownpassUserID: String)  getStaffCrownpassiD() | N/A | Using the same generate algorithm used for the other subsystems generates a string for the id using the setter method and display it to check with the getter | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email  Staff Job Title |
| 12 | Staff User name can be inputted into input box however needs to meet a specification | Manager | username: String | setStaffUsername(username:String) | Username | The setter method should check that the username meets a specification so the username cant be guessed against an attacker | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email  Staff Job Title  Staff Crownpass ID |
| 13 | Staff Password can be entered into two input boxes to compare them and it is hashed | Manager | Password: string | setStaffPassword(password: String) | Password  X 2 | The setter method compares two input boxes to make sure they match and makes sure that it meets the password spec for security strength | Staff Name  Staff Photo  Staff Age  Staff Gender  Staff Address  Staff Phone Number  Staff Email  Staff Job Title  Staff Crownpass ID  Staff Username |
| 14 | All tests shown can be submitted using the constructor | Manager | N/A | staffAccount() | N/A | The constructor with all tests setters can set all the user details and then the getters are used to access that data when needed | N/A |