

Test cases:

Scenario	Test cases	Test Data	Expected result	test result	Pass /Fail
Check the functionality of the addUser function	Test case 1: Verify the function with a correct userID, address, name, last name and address	UserID: 78l_f%&cCB Firstname: Steve Lastname: Smith Address: 15 Example Street Melbourne Victoria Australia. Birthdate 01-01-2025	Person added with ID: 78l_f%&cCB	Person added with ID: 78l_f%&cCB	Pass
	Test case 2: Verify the function with an Incorrect userID, invalid first and last name and letters in birthdate	UserID: ct4tfe Firstname: 4f2dg Lastname: Sm5the Address: no Birthdate 30-02-2025	ID wrong size Person ID is invalid Failed to add person. Please check the input values.	ID wrong size Person ID is invalid Failed to add person. Please check the input values.	Pass
	Test case 3: Verify the function with correct ID but null inputs	UserID: 68l_f%&yXZ Firstname: "", lastname: "", Address: "", Birthdate = five-12-2025	Address must have 5 parts separated by ' '. Address is invalid Failed to add person. Please check the input values.	Address must have 5 parts separated by ' '. Address is invalid Failed to add person. Please check the input values.	Pass
	Test case 4: Verify the addUser function by adding someone with a duplicate ID	UserID: 78l_f%&cCB Firstname: Steve Lastname: Smith Address: 15 Example Street Melbourne Victoria Australia. Birthdate 01-01-2025	Person ID already exists Failed to add person. Please check the input values.	Person ID already exists Failed to add person. Please check the input values.	Pass
	Test case 5: Verify function with correct userID and other inputs except address with incorrect format, wrong state, letters as number and wrong size.	UserID: 78l_f%&cBB Name: John Lastname: Doe Birthdate 15-09-2000 Address: five 32 pipe 2345 %3DT4@~ France 4323458	Street number must be a valid number. Address is invalid Failed to add person. Please	Street number must be a valid number. Address is invalid Failed to add person. Please	Pass

			check the input values.	check the input values.	
Check the functionality of the updatePersonalDetails function	Test case 1: Verify the function with a correct userID, address, name, last name and address	Note: "" will mean a skip: ID: 77l_f%&cCB Name: "" Lastname: "" Address: 15 Example Street Melbourne Victoria Australia Birthdate: ""	completed validation Personal details updated successfully. Personal details updated for person ID: 77l_f%&cCB	completed validation Personal details updated successfully. Personal details updated for person ID: 77l_f%&cCB	Pass
	Test case 2: Verify function by changing nothing about a user	ID: 77l_f%&cCB Name "Anthony", Lastname "Brown", Address: 15 Example Street Melbourne Victoria Australia Birthdate: 19-12-1999	completed validation Personal details updated successfully. Personal details updated for person ID: 77l_f%&cCB	completed validation Personal details updated successfully. Personal details updated for person ID: 77l_f%&cCB	Pass
	Test case 3: Verify function by updating fields with an incorrect value	ID: 77l_f%&cCB Name 2453 Lastname 345654\$@ Address: knakjd adn2e@\$*& Birthdate: 12	Address is invalid Failed to update personal details. Please check the input values	Address is invalid Failed to update personal details. Please check the input values	Pass
	Test case 4: Verify function change conditions by changing an under 18yo's address and ID at the same time	ID: 77l_f%&cCZ Name: Child Lastname: Smith Address: 16 Example Street Melbourne Victoria Australia Birthdate: 19-01-2007	Your address will not be changed as you are under 18	Your address will not be changed as you are under 18	Pass
	Test case 5: Verify the function by changing a user ID that begins with an even number	UserID: 28l_f%&cCB NewUserID: 77l_f%&cCB Address: "", Birthdate "", Name"" Lastname""	new ID is invalid Failed to update personal details. Please check the input values.	new ID is invalid Failed to update personal details. Please check the input values.	Pass

Check the functionality of the addDemeritPoints function	Test case 1: Verify the function by adding correct input to a user with no demerits	Id: 39l_f%&cCB Date: 19-01-2025 Demerits: 2	Success: Demerit points added for person ID: 39l_f%&cCB	Success: Demerit points added for person ID: 39l_f%&cCB	Pass
	Test case 2: verify function by adding invalid values to a user without demerits	Id: 28l_f%&cCB Date: 74#\$235 Demerits: -1	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Pass
	Test case 3: verify function by adding enough points to suspend license	Id: 28l_f%&cCB Date: 01-01-2025 Demerits: 5 (user already has 8)	Success! Demerit points added for person ID: 77l_f%&cCB User: 77l_f%&cCB license is suspended	Success! Demerit points added for person ID: 77l_f%&cCB User: 77l_f%&cCB license is suspended	Pass
	Test case 4: Verify function by adding demerit points to a driver with a suspended license	Id: 28l_f%&cCB Date: 01-01-2025 Demerits: 5	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Pass
	Test case 5: Verify function by using invalid demerit point amounts and dates	Id: 28l_f%&cCB Date: 01-100-2025 Demerits: 7	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Demerit points must be between 1 and 6. Failure: Could not add demerit points for person ID: 28l_f%&cCB	Pass