

**Unit Test Plan****CLASS: OWNER****STUDENT NUMBER 18002538**

Test Case	Method and Parameters	Expected Output
Create staff account successfully	createStaff(name)	Staff ID
Create staff account unsuccessful	createStaff(name, surname, staff ID, gender)	Error message
Display Area ID	displayAreaID(area name)	Display the unique areaID of the area name inserted.
Display Area ID unsuccessful	displayAreaID(areaAddress)	Error message: Could not find area information based on that input.
Request to see Operation state	viewOperationState(areaID)	Display the Operation state of the area, this is capacity of area minus operation state number found in Controlled Area.
Request to see Operation state unsuccessful	viewOperationState(areaAddress)	Error message: Can not find Operation state
View Area Data	viewAreaData(areaID)	Display the area information matching the areaID
Unable to view area data	viewAreaData(crownpassID)	Error message: Could not find area information based on that input
Register an area	registerArea(name, address, type, capacity, contact number)	A new Controlled Area has been successfully created with all the correct information.
Unsuccessfully register an area	registerArea(name, address, capacity)	Error message: Required fields to create Controlled Area have not been provided.
Manually update area	manualUpdateArea(areafield)	Area fields should be updated occurring to new data
Unable to update area	manualUpdateArea(ownerID)	Error message: This was not a valid input for area fields.