Test Plan

The table is the Test Plan for the Doctors Surgery.

Test No.	Test Description	Test Data	Expected Result	Actual Result	Corrective Action
1	Menu displays choices in a numbered list	Displays: 1: Register Patient 2: Appointments 3: Doctors Login	Choices displayed in a numbered list	```********************************** * Welcome to The Essex Drs Surgery * ********************************** * Admin Portal * ********************************** 1: Register Patient 2: Appointments 3: Doctors Login Please enter a number:```	None required.

2	A new patient can be registered and can be allocated to a doctor.	Menu Choice: 1
		
		Mr Ian Smith
		
		12 Bee Road, Newtown NT11 2RT
		
		07712345678
		
		12/12/1987
		
		Dr David Who
			Be able to input Title, Name, Surname, Address, Phone, Date of Birth and choose a doctor.	Arguments missing in code.
				
				``# A Dr can only have a maximum of 500 patients.
				if len(selected_doctor.patients_list(patients)) <= 500:
				    new_patient = patient.Patient(name,address,phone,selected_doctor)
				    patients.append({'val': len(patients) + 1, 'patient': new_patient}
				    print(("New patient: {}").format(patients[len(patients)-1].get('pa```
					Fixed arguments, now works.
					
					``1: Register Patient
					2: Appointments
					3: Doctors Login
					Please enter a number: 1
					Please enter title e.g. Mr, Mrs, Ms, Miss etc. Mr
					Please enter your first name: Ian
					Please enter your surname: Smith
					Please enter your full address with post code: 12 Bee Road, Newtown, NT11 2RT
					Please enter your phone number: 07712345678
					Please enter your date of birth as DD/MM/YYYY e.g. 10/12/1982 : 12/12/1987
					Please select a doctor
					1: Dr David Who
					2: Dr Ian What
					3: Dr Sam Where
					Please enter a number: 1
					Selected doc: Dr David Who
					New patient: Ian```

3	Book an Appointment for a patient.	Jack 09:15	Be able to book Jack Brown an appointment at 09:15	Arguments missing in code.	Failed to correct this. Will work on this.
4	Cancel Appointment for a patient.	Jack 09:15	Be able cancel Jack Brown's appointment at 09:15	Unable to do this as I could not book an appointment.	Failed to correct this. Will work on this.

5	Show prescriptions.	Jack Browns prescriptions: 1: Antibiotics - Repeat prescriptions left: 4 2: Bisoprolol Beta-Blockers - Repeat prescriptions left: 2 3: Corticosteroids Inhaler - Repeat prescriptions left: 4	Display 1: Antibiotics - Repeat prescriptions left: 4 2: Bisoprolol Beta-Blockers - Repeat prescriptions left: 2 3: Corticosteroids Inhaler - Repeat prescriptions left: 4	``` 1: Antibiotics - Repeat prescriptions left: 4 2: Bisoprolol Beta-Blockers - Repeat prescriptions left: 2 3: Corticosteroids Inhaler - Repeat prescriptions left: 4 Please enter a number: ```	None required. This will need updating to show the Title, name and Surname.
6	Drs menu displays 3 doctors when 3 inputted.	1: Dr David Who 2: Dr Ian What 3: Dr Sam Where	Displays 1: Dr David Who 2: Dr Ian What 3: Dr Sam Where	``` 3: Doctors Login Please enter a number: 3 ********************************* Please select your name from the list: 1: Dr David Who 2: Dr Ian What 3: Dr Sam Where Please enter a number: ```	None required.
7	When 1 selected Dr can view appointments.	Display appointments from 009:00 to 18:00 Show Jack Brown at 09:00 Val Pink at 09:30 Peter Green at 10:45	Displays appointments from 009:00 to 18:00 Jack Brown at 09:00 Val Pink at 09:30 Peter Green at 10:45	``` Please enter a number: 1 13:45: ************************ 14:00: Another patient 14:15: 09:00: Mr Jack Brown 14:30: Another patient 09:15: 14:45: 09:30: Mrs Val Pink 15:00: Another patient 09:45: 15:15: 10:00: Another patient 15:30: Another patient 10:15: 15:45: 10:30: 16:00: 10:45: Mr Peter Green 16:15: Another patient 11:00: 16:30: 11:15: Another patient 16:45: Another patient 11:30: Another patient 17:00: Another patient 11:45: Another patient 17:15: 12:00: 17:30: Another patient 12:15: Another patient 17:45: 12:30: Another patient 18:00: Another patient 13:30: ```	None required.
8	When 2 selected Dr can create a prescription.	Choose a patient Add Steroids and amounts.	Choose a patient Add Steroids Amount: 1 Dose Amount: 12.8	Error in function.	Changed code and successfully entered.

				``python
def prescrpn_issue(self, patient):
    """Drs issue prescriptions."""
    doctor = self.name
    patient = patient
    prescription_type = input("Please er
    print("Please enter the amount")
    amout = input_checker.integer_check
```
Amout changed to amount. | Please enter prescription: Steroids
Please enter the amount
Please enter a number: 1
Please enter dose amount (ml)
Please enter a decimal number, e.g. 1.1 : 12.8

Still an issue with choosing patient that needs to be fixed. |
| 9 | When 3 selected a Dr exits menu3, back to Admin portal. | 3 in menu | Admin Portal | ```
**********************************
* Welcome to The Essex Drs Surgery *
**********************************
*          Admin Portal          *
**********************************
1: Register Patient
2: Appointments
3: Doctors Login
Please enter a number:
``` | None required. |
| 10 | Cannot cancel appointment, if no appointment booked, | 2 in menu | "No appointments are booked." | ```
************************************
*Welcome to the Patient Admin Portal*
************************************
1: Show prescriptions
2: Book an Appointment
3: Cancel appointment
Please enter a number: 3
********************************

No appointments are booked.
********************************
``` | None required. |
| 11 | Dr can only have 500 patients | Add 501 patients to Dr Who | Displays choose another Dr. | if len(selected_doctor.patients_list(patients)) <= 500:
    new_patient = patient.Patient(title,name,surname,address,phone,dob,selected_doctor) | Coded, however unable to effectively test. |

				patients.append({'val': len(patients) + 1, 'patient': new_patient})
				        print(("New patient: {}").format(patients[len(patients)-1].get('patient').name))
				        input_checker.end_spacer()
				        main_menu()
				
				`if len(selected_doctor.patients_list(patients)) <= 500:`
				`  new_patient = patient.Patient(title,name,surname,address,phone,dob,selected_doctor)`
				`  patients.append({'val': len(patients) + 1, 'patient': new_patient})`
				`  print(("New patient: {}").format(patients[len(patients)-1].get('patient').name))`
				`  input_checker.end_spacer()`
				`  main_menu()`
				`else:`
				`  print("Please choose another Dr")`
				`  main_menu()`	

12	Login IDs	1234	When ID used, system allows access to menu.	System was incomplete, so unable to test	Complete and update program.
13	Nurse can view appointments	Display appointments from 009:00 to 18:00 Show Jack Brown at 09:00 Val Pink at 09:30 Peter Green at 10:45	Displays appointments from 009:00 to 18:00 Jack Brown at 09:00 Val Pink at 09:30 Peter Green at 10:45	System was incomplete, so unable to test effectively.	Complete and update program.