

Software project:

OPTICITY CLINIC

Submitted to:

Dr. Haya Samani

DONE By :

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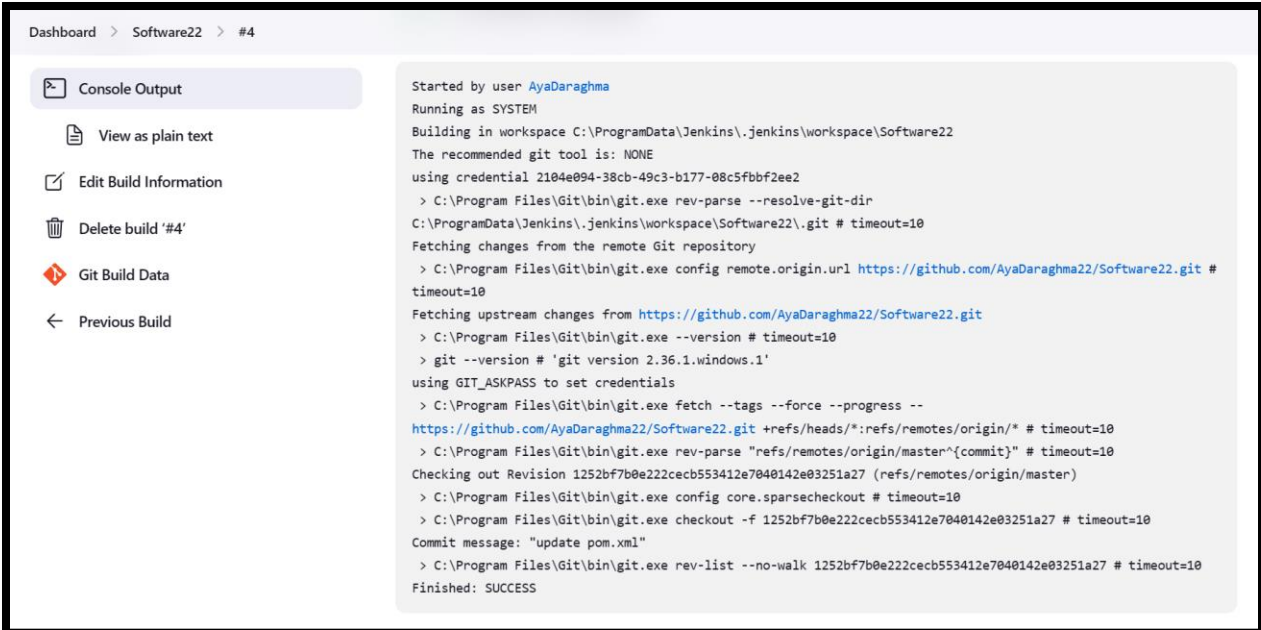
Hala essam Okal 11923859

2022-2023

Welcome to our second part of opticity software project!

- **Jenkin**

screenshot for Jenkin dashboard including the result of compilation and test cases



Dashboard > Software22 > #4

Console Output

View as plain text

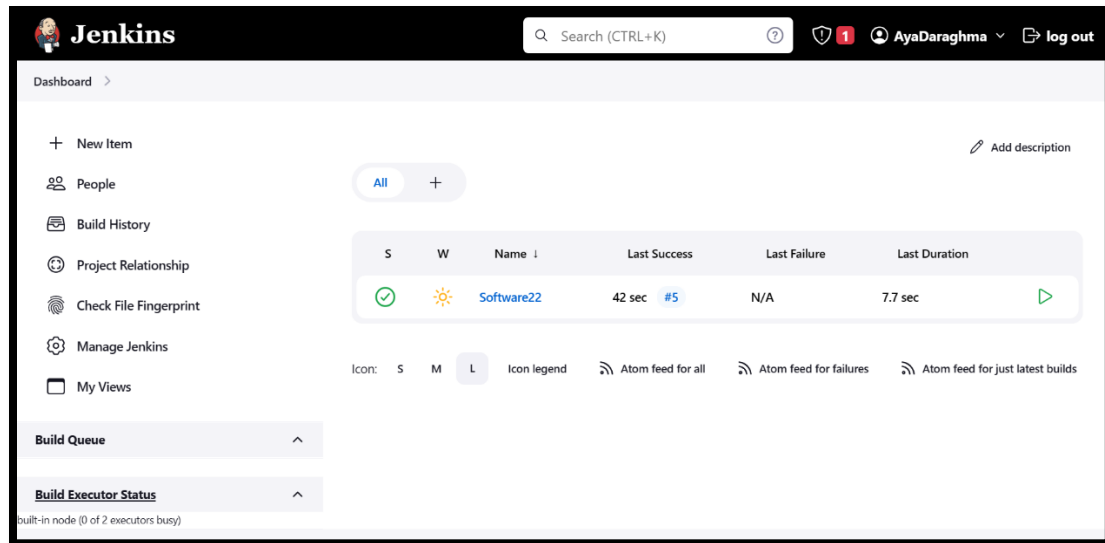
Edit Build Information

Delete build '#4'

Git Build Data

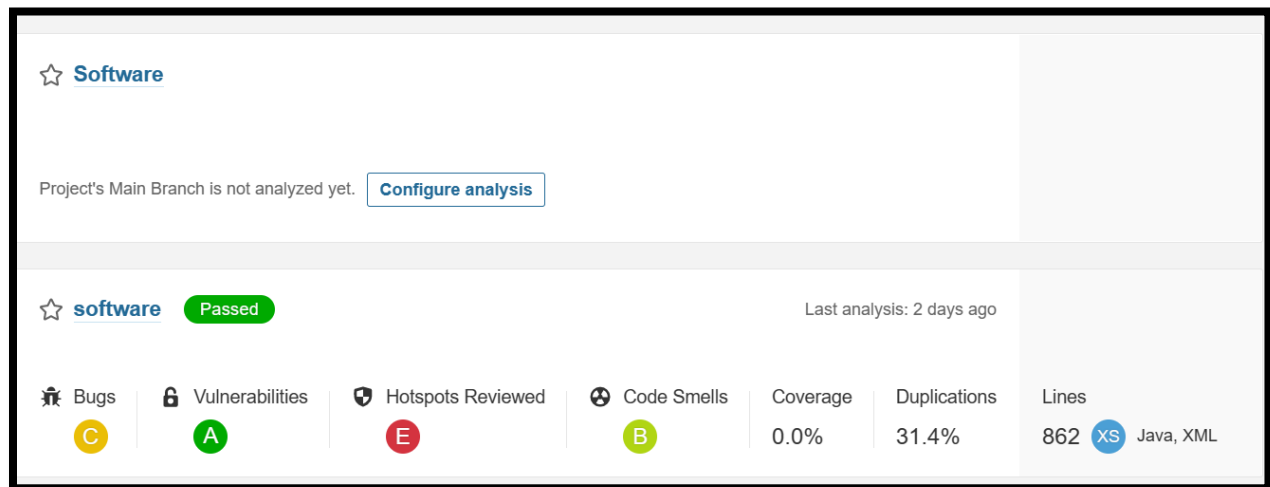
Previous Build

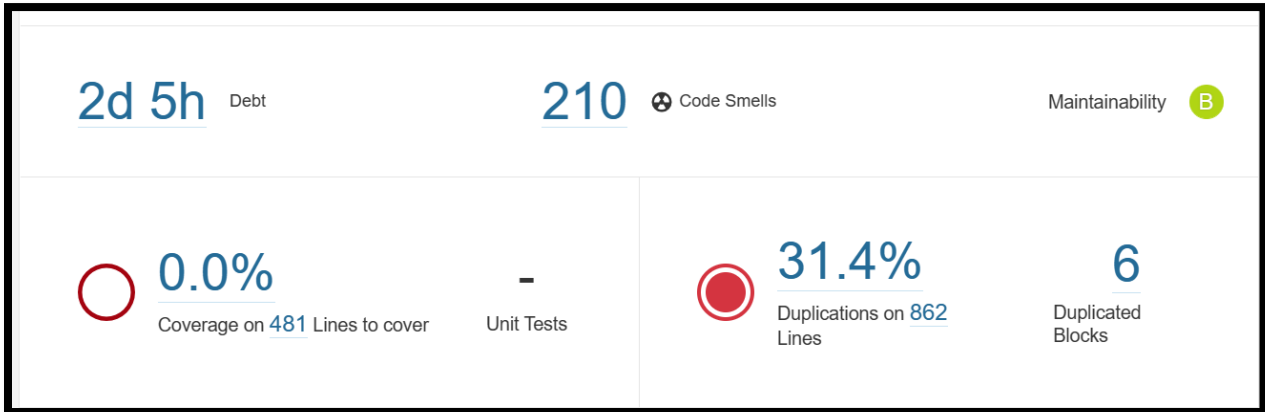
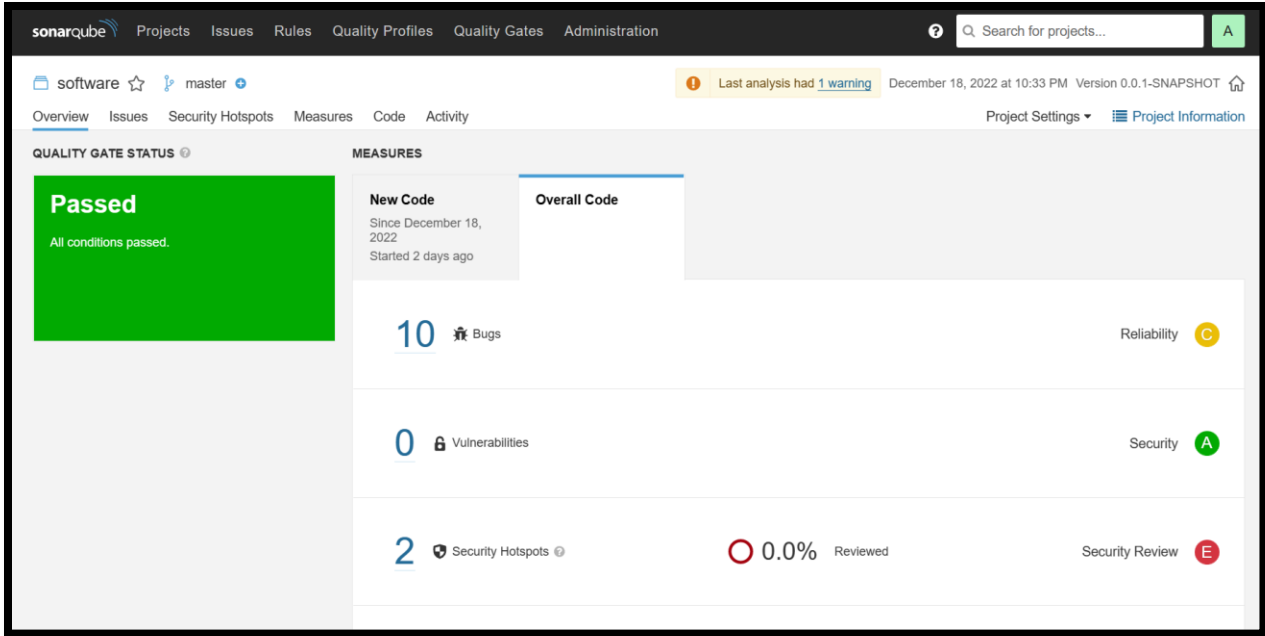
```
Started by user AyaDaraghma
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\Software22
The recommended git tool is: NONE
using credential 2104e094-38cb-49c3-b177-08c5fbbf2ee2
> C:\Program Files\Git\bin\git.exe rev-parse --resolve-git-dir
C:\ProgramData\Jenkins\.jenkins\workspace\Software22\.git # timeout=10
Fetching changes from the remote Git repository
> C:\Program Files\Git\bin\git.exe config remote.origin.url https://github.com/AyaDaraghma22/Software22.git #
timeout=10
Fetching upstream changes from https://github.com/AyaDaraghma22/Software22.git
> C:\Program Files\Git\bin\git.exe --version # timeout=10
> git --version # 'git version 2.36.1.windows.1'
using GIT_ASKPASS to set credentials
> C:\Program Files\Git\bin\git.exe fetch --tags --force --progress --
https://github.com/AyaDaraghma22/Software22.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> C:\Program Files\Git\bin\git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 1252bf7b0e222cecb553412e7040142e03251a27 (refs/remotes/origin/master)
> C:\Program Files\Git\bin\git.exe config core.sparsecheckout # timeout=10
> C:\Program Files\Git\bin\git.exe checkout -f 1252bf7b0e222cecb553412e7040142e03251a27 # timeout=10
Commit message: "update pom.xml"
> C:\Program Files\Git\bin\git.exe rev-list --no-walk 1252bf7b0e222cecb553412e7040142e03251a27 # timeout=10
Finished: SUCCESS
```



- **Sonarqube dashboard before refactoring**

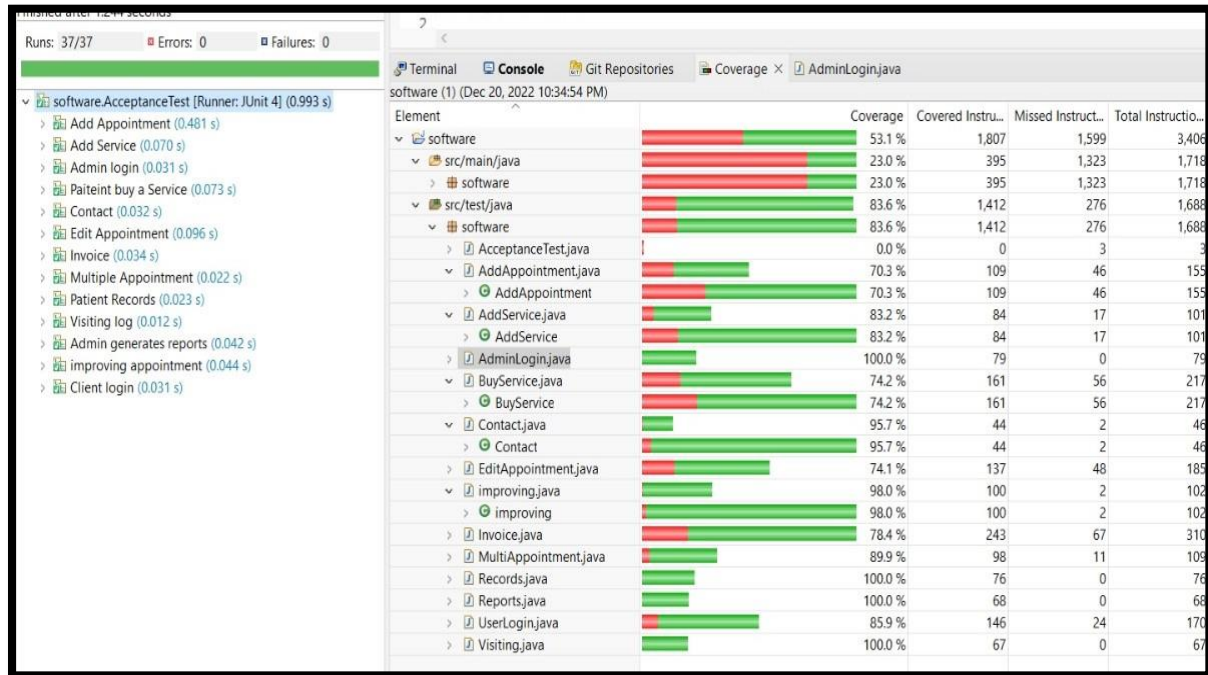
screenshot for your initial dashboard- before refactoring



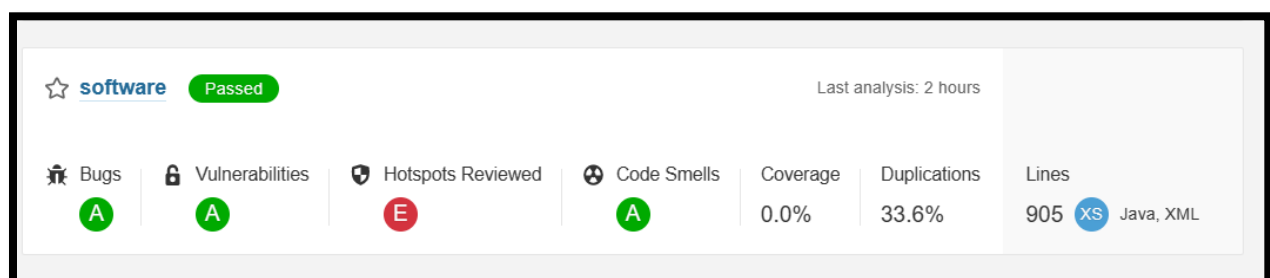












- **Jacoco**



Using Jacoco we check the coverage of our code and. The result will appear as shown.



- **Sonarqube dashboard after refactoring**

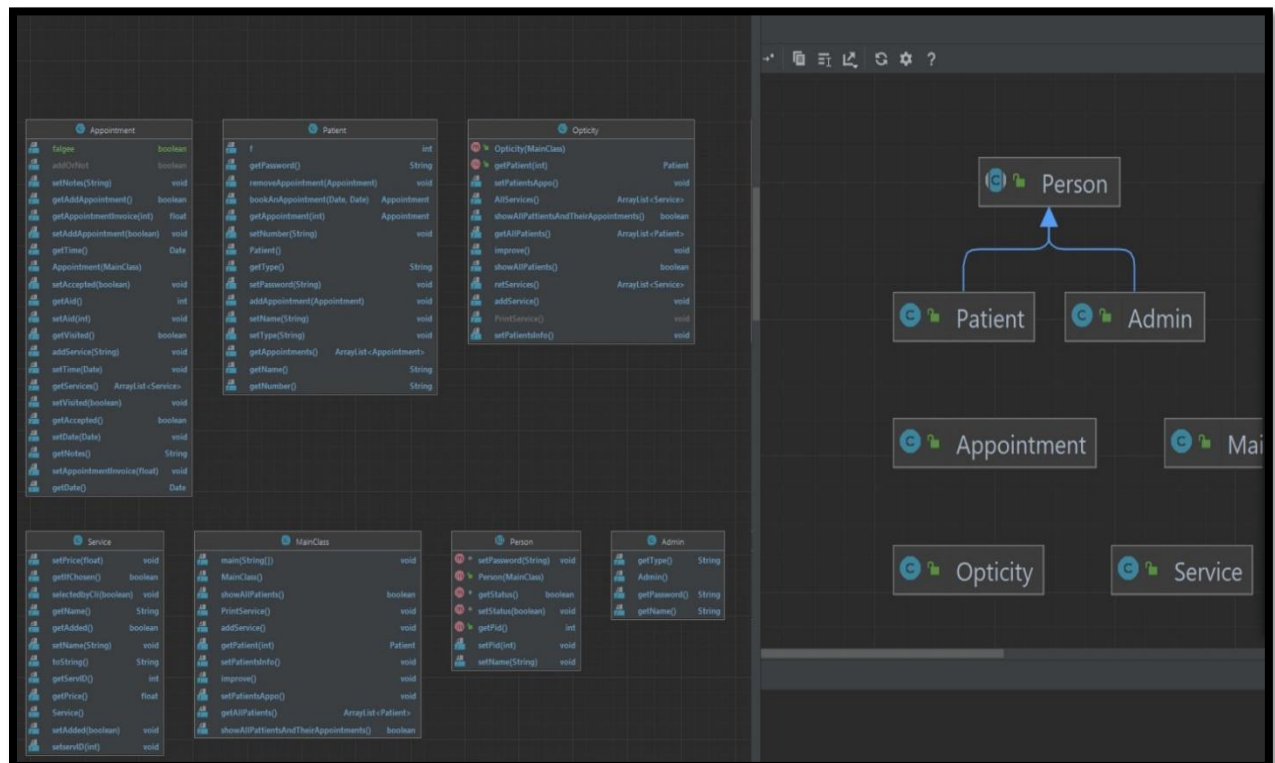


<u>0</u>	 Bugs	Reliability	
<u>0</u>	 Vulnerabilities	Security	
<u>2</u>	 Security Hotspots 	 <u>0.0%</u> Reviewed	Security Review 
<u>2h</u>	Debt	<u>105</u>  Code Smells	Maintainability 

	<u>0.0%</u> Coverage on <u>481</u> Lines to cover	- Unit Tests		<u>33.6%</u> Duplications on <u>905</u> Lines	<u>6</u> Duplicated Blocks
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- UML class diagram for the newly refactored code

Main java classes



MainClass	
m	MainClass ()
m	PrintService () void
m	showAllPattientsAndTheirAppointments () boolean
m	main (String []) void
m	showAllPatients () boolean
m	setPatientsInfo () void
m	getPatient (int) Patient
m	addService () void
m	setPatientsAppo () void
m	improve () void
p	allPatients ArrayList < Patient >

Appointment	
m	Appointment (MainClass)
f	accepted boolean
f	date Date
f	visited boolean
f	notes String
f	time Date
m	addService (String) void
m	getAppointmentInvoice (int) float
p	addAppointment boolean
p	notes String
p	appointmentInvoice float
p	time Date
p	services ArrayList < Service >
p	aid
p	accepted boolean
p	visited boolean

Opticity	
m	Opticity (MainClass)
m	setPatientsAppo () void
m	AllServices () ArrayList < Service >
m	showAllPatients () boolean
m	showAllPattientsAndTheirAppointments () boolean
m	setPatientsInfo () void
m	retServices () ArrayList < Service >
m	getPatient (int) Patient
m	addService () void
m	improve () void
p	allPatients ArrayList < Patient >

Person	
m	Person (MainClass)
f	name String
f	pid int
f	status boolean
f	type String
p	name String
p	password String
p	type String
p	status boolean
p	pid int

Patient	
m	Patient ()
f	appointments ArrayList < Appointment >
m	addAppointment (Appointment) void
m	bookAnAppointment (Date, Date) Appointment
m	removeAppointment (Appointment) void
m	getAppointment (int) Appointment
p	name String
p	password String
p	type String
p	number String
p	appointments ArrayList < Appointment >

Service	
m	Service ()
f	price float
m	selectedbyCli (boolean) void
m	setservID (int) void
m	toString () String
p	ifChosen boolean
p	name String
p	added boolean
p	servID int
p	price float

Service	
m	Service ()
f	price float
m	selectedbyCli (boolean) void
m	setservID (int) void
m	toString () String
p	ifChosen boolean
p	name String
p	added boolean
p	servID int
p	price float

Test java classes

<div><div>BuyService</div><div><div>BuyService (Service)</div><div><div><div>the client login status is (String)</div><div>void</div></div><div><div><div>the service is and its status (String , String)</div><div>void</div></div><div><div><div>the service is already chosen successfully ()</div><div>void</div></div><div><div><div>the service is chosen successfully ()</div><div>void</div></div><div><div><div>the service is and its status was (String , String)</div><div>void</div></div><div><div><div>the services are and there statuses were (String , String , String)</div><div>void</div></div><div><div><div>the service are chosen successfully ()</div><div>void</div></div><div><div><div>here the service price list (DataTable)</div><div>void</div></div><div><div><div>the service cannot be chosen successfully ()</div><div>void</div></div></div></div></div></div></div></div></div></div></div></div></div>	<div><div>EditAppointment</div><div><div>EditAppointment (Appointment , Patient)</div><div><div><div>the appointment will be added successfully ()</div><div>void</div></div><div><div><div>the new time is (String)</div><div>void</div></div><div><div><div>the appointment will be deleted successfully ()</div><div>void</div></div><div><div><div>the appointment will not be added ()</div><div>void</div></div><div><div><div>the status is for login (String)</div><div>void</div></div><div><div><div>the user type with id (String , String)</div><div>void</div></div><div><div><div>there is existing appointments ()</div><div>void</div></div><div><div><div>the appointment of is (String)</div><div>void</div></div><div><div><div>the new date is (String)</div><div>void</div></div></div></div></div></div></div></div></div></div></div></div></div>	<div><div>UserLogin</div><div><div>UserLogin (Patient)</div><div><div><div>the client login fails ()</div><div>void</div></div><div><div><div>that the client is not logged in (String)</div><div>void</div></div><div><div><div>user name is and the password is (String , String)</div><div>void</div></div><div><div><div>the client is not logged in ()</div><div>void</div></div><div><div><div>type is client ()</div><div>void</div></div><div><div><div>the client login succeeds ()</div><div>void</div></div><div><div><div>the client is logged in ()</div><div>void</div></div><div><div><div>there are the users (DataTable)</div><div>void</div></div></div></div></div></div></div></div></div></div></div></div>
<div><div>Invoice</div><div><div>Invoice (Appointment)</div><div><div><div>the appointment has service (String)</div><div>void</div></div><div><div><div>the appointment has service and service (String , String)</div><div>void</div></div><div><div><div>the invoice value is the summation of and (String , String)</div><div>void</div></div><div><div><div>the invoice generated successfully ()</div><div>void</div></div><div><div><div>here the appointments list for user (DataTable)</div><div>void</div></div><div><div><div>the invoice value is (String)</div><div>void</div></div><div><div><div>that the patient have an appointment on (String)</div><div>void</div></div></div></div></div></div></div></div></div></div></div>	<div><div>AdminLogin</div><div><div>AdminLogin (Admin)</div><div><div><div>the admin is not logged in ()</div><div>void</div></div><div><div><div>the admin login succeeds ()</div><div>void</div></div><div><div><div>the admin is logged in ()</div><div>void</div></div><div><div><div>the password is (String)</div><div>void</div></div><div><div><div>that the admin is not logged in ()</div><div>void</div></div><div><div><div>user is (String)</div><div>void</div></div><div><div><div>the admin login fails ()</div><div>void</div></div></div></div></div></div></div></div></div></div></div>	<div><div>Reports</div><div><div>Reports (Opicity)</div><div><div><div>he generated all patients names and their appointments details ()</div><div>void</div></div><div><div><div>the report generated successfully ()</div><div>void</div></div><div><div><div>that the admin is not logged in now (String)</div><div>void</div></div><div><div><div>that the admin is logged in now (String)</div><div>void</div></div><div><div><div>he generated all patients names ()</div><div>void</div></div><div><div><div>the report cannot be generated successfully ()</div><div>void</div></div></div></div></div></div></div></div></div></div>
<div><div>MultiAppointment</div><div><div>MultiAppointment (Appointment)</div><div><div><div>the user of type (String)</div><div>void</div></div><div><div><div>another appointment can be added successfully ()</div><div>void</div></div><div><div><div>there is an existing appointments ()</div><div>void</div></div><div><div><div>the status is for the client login (String)</div><div>void</div></div><div><div><div>the client added another appointment ()</div><div>void</div></div><div><div><div>another appointment cannot be added ()</div><div>void</div></div></div></div></div></div></div></div></div></div>	<div><div>AddService</div><div><div>AddService (Service)</div><div><div><div>the admin login status is (String)</div><div>void</div></div><div><div><div>that the user is (String)</div><div>void</div></div><div><div><div>the service existence (String)</div><div>void</div></div><div><div><div>the price is and name of service is (String , String)</div><div>void</div></div><div><div><div>the service added successfully ()</div><div>void</div></div><div><div><div>the service cannot be added successfully ()</div><div>void</div></div></div></div></div></div></div></div></div></div>	<div><div>AddAppointment</div><div><div>AddAppointment (Appointment)</div><div><div><div>the user type is (String)</div><div>void</div></div><div><div><div>the time is (String)</div><div>void</div></div><div><div><div>the date is (String)</div><div>void</div></div><div><div><div>the appointment added successfully ()</div><div>void</div></div><div><div><div>the login status is for the client (String)</div><div>void</div></div><div><div><div>the appointment cannot be added successfully ()</div><div>void</div></div></div></div></div></div></div></div></div></div>
<div><div>Contact</div><div><div>Contact (Patient)</div><div><div><div>that the user is defined as (String)</div><div>void</div></div><div><div><div>the contact number exists ()</div><div>void</div></div><div><div><div>the patient has no contact number ()</div><div>void</div></div><div><div><div>the patient has a contact number on the record ()</div><div>void</div></div><div><div><div>new number</div><div>String</div></div></div></div></div></div></div></div></div>	<div><div>Improving</div><div><div>Improving (Appointment , ManClass , Opicity)</div><div><div><div>he added a new appointment (String)</div><div>void</div></div><div><div><div>the admin cannot book the appointment for the client ()</div><div>void</div></div><div><div><div>the user is (String)</div><div>void</div></div><div><div><div>the admin book the appointment for the client ()</div><div>void</div></div><div><div><div>the login status is for the admin (String)</div><div>void</div></div></div></div></div></div></div></div></div>	<div><div>Visiting</div><div><div>Visiting (Patient)</div><div><div><div>store the patients about the visit (String)</div><div>void</div></div><div><div><div>the patient has an appointment ()</div><div>void</div></div><div><div><div>that the user entered is (String)</div><div>void</div></div><div><div><div>mark the appointment as visit ()</div><div>void</div></div><div><div><div>arrives to the clinic ()</div><div>void</div></div></div></div></div></div></div></div></div>
<div><div>Records</div><div><div>Records (Patient)</div><div><div><div>add new appointment ()</div><div>void</div></div><div><div><div>the user has no previous visits ()</div><div>void</div></div><div><div><div>has no record ()</div><div>void</div></div><div><div><div>that the user type is (String)</div><div>void</div></div><div><div><div>the user already has a previous visits ()</div><div>void</div></div></div></div></div></div></div></div></div>		