

NAMIBIA UNIVERSITY OF SCIENCE AND TECHNOLOGY
Faculty of Computing and Informatics
School of Computing
Department of Software Engineering

PRG510S PROGRAMMING 1, SEMESTER 2, 2023

Group/Team should edit this document to suit their Group Assignment project topic
The format of this MS Word file should be: Font: Calibri, Font size 12, line spacing: single

GROUP ASSIGNMENT TEAM LIST AND PROJECT DESCRIPTION TEMPLATE

Group Members: Put Full-Time or Part-Time here

SN	Name	Student Number	Specialisation	Role played in the project	Mark over 100% (for lecturers use only)
1	Daniel Muteka (TL)	220040257	Computer Science	I searched for the functionalities and requirements of the software and also did coding	
2	Ralph Dyakugha	220091994	CyberSecurity	I wrote and tested the Java program for viewing the patients on screen	
3	Mutelembi Simtaa	220002584	Informatics	I was involved in database design	
4	Tengeevandu M.Katjiuongua	220121788	Software Engineering	I supported the Team Leader in the coding of the frontend	
5	Ritjiuka Kauapirura	220070946	Computer Science	I gathered the data we used and designed the software	

Name of Team Leader (TL): Daniel Muteka

TITLE OF PROJECT:

Development of a Hospital Management System

DATE:

23 September 2023

1.0 DESCRIPTION OF PROJECT

Our project **Hospital Management System (HMS)** includes registration of patients, storing their details into the system, and also booking their appointments with doctors. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. Users can search availability of a doctor and the details of a patient using the id. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator, medical doctor, or patient. The information in the software can be retrieved easily. The interface is very user-friendly.

2.0 FUNCTIONALITIES, SERVICES AND REQUIRMENTS (FSR) OF THE SOFTWARE

The main aim of this Group Assignment is for the students to create a Java application to demonstrate all that have been learnt in the Programming 1 during the semester. Students/groups are expected to pick a topic and derive the functionalities/services and requirements (FSR). For example, the following are the FSR that the **Hospital Management System (HMS)** software will render:

S.No.	NAME OF MENU/MODULE	ACTORS	FSR AND DESCRIPTION/ROLE
a.	Login	Patient Doctor Admin	PATIENT: Can login using unique Id and Password after which the system shall show his/her profile. DOCTOR: Can login using unique Id and Password after which the system shall show his/her profile. ADMIN: Can login using unique Id and Password after which the system shall show a profile with links to maintain the website.
b.	Registration	Patient	PATIENT: Can Register by filling all the required details, after which the system will verify the details and check if already registered or not. All records should be kept in a Database for storage and easy retrieval.
c.	Book Appointment	Patient	PATIENT: Can Select doctor, date time and make an appointment request after which the system shall show a confirmation for appointment request.
d.	Cancel Appointment.	Patient Doctor	PATIENT : Can Cancel appointment by just one click after which the system shall ask for re-schedule. DOCTOR : Can Cancel appointment by just one click after which the system shall send a message to the patient.
e.	Doctor Module	Admin	ADMIN : Can add a new doctor by filling all the details after which the system shall show a confirmation message. Can Remove a doctor by just one click after which the system shall show confirmation message.
f	Patient Module	Patient	PATIENT : Can also see or search for a doctor by entering dept, name or doctor id if known, after which the system will check for the doctor if found shall show doctor's profile.

3.0 HOW WE GOT THE FUNCTIONALITIES, SERVICES AND REQUIREMENTS (FSR) OF THE SOFTWARE

We got the functionalities, services and requirements (FSR) by discussing with a medical doctor/nurse in the hospital. Or you may also write:

We got the functionalities, services and requirements (FSR) from the Internet.