



Kalafong Provincial Tertiary Hospital

Gynaecological Patient Information management System:

Master Documentation

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Final Version

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1 Vision and Scope

1.0.1 Project Background

1.0.2 Project Vision

1.0.3 Project Scope

2 Project Scope

2.1 Overview of the system

The system should allow data to be entered by medical students, junior doctors and registrars (specialists in training) working in the department. People who enter data should have usernames and passwords (student numbers and HPCSA registration numbers can be used) and they should only be able to enter information and should not have access to data. They should be able to enter data using smartphones, tablets or personal computers in an environment where the hospital is not computerized and computers are not available in the hospital for this purpose.

For purposes of entering data smartphone and tablet applications (apple and android) should be developed to allow smartphone and tablet access to the system.

The data should be securely stored on a site on the Website of the University of Pretoria.

Data will be entered into the system by different employees working in the Department of Obstetrics & Gynaecology at the Kalafong Provincial Tertiary Hospital.

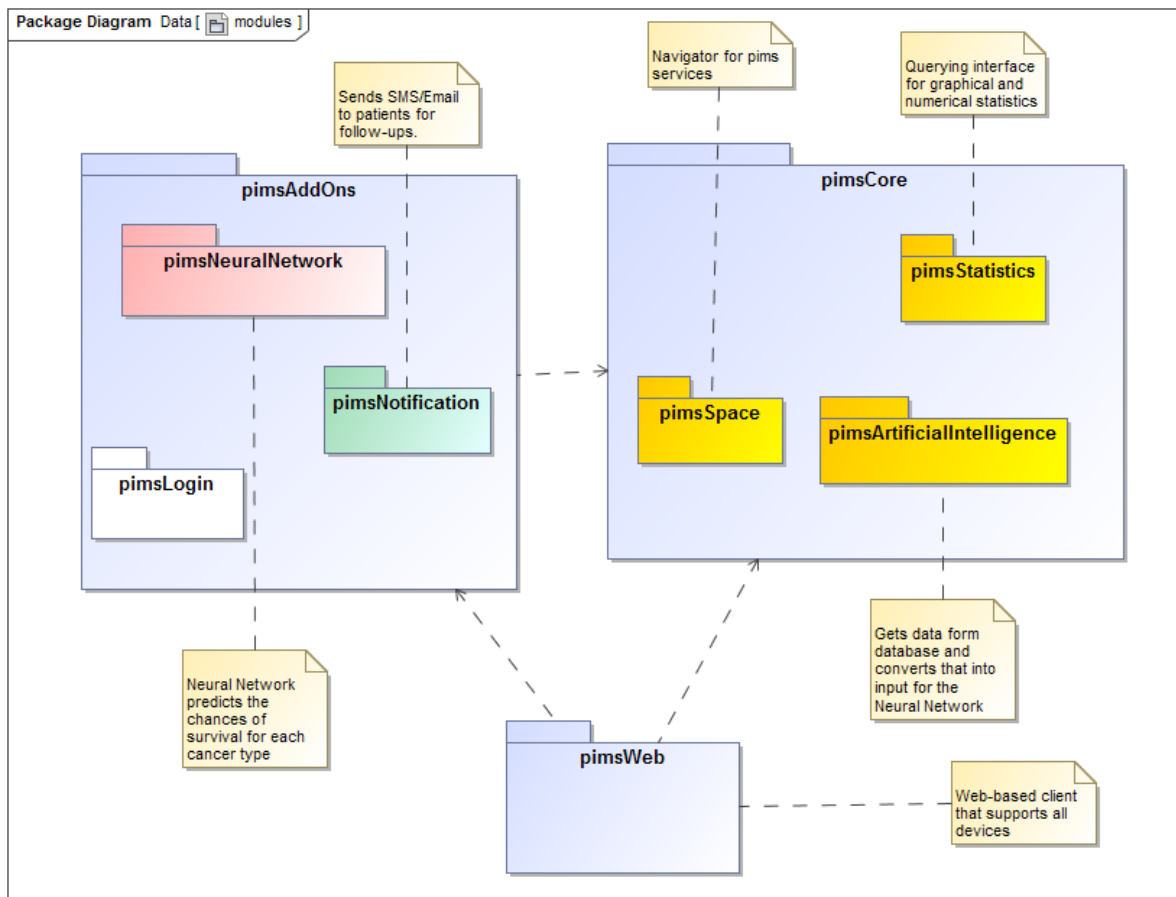
Data of patients entered should include both the patients hospital number as well as RSA Identity number.

The possibility of linking this system to that of the National Health Laboratory System (NHLS) should be investigated to make it possible to access laboratory results through this system. The NHLS has an online accessibility.

The administrator of the system should have access to all relevant data. The different levels and specifications of data output will be defined upfront and the ability should exist to add or edit these specifications as required.

Patient information and data are highly confidential and the website and information should be secure. All users will have to use a username and password. Medical students can use University of Pretoria student numbers and medical interns, medical officers and registrars can use their Health Professions Council of South Africa (HPCSA) unique registration numbers. Doctors and students rotate through the department for different time periods and the usernames and passwords should expire depending on the different categories. Students rotate for four weeks, medical interns for four months and medical officers and registrars for up to five years. Administrative staff and consultants are more permanent and for security reasons should perhaps update information yearly.

2.2 Patient Information Management System - Global Scope



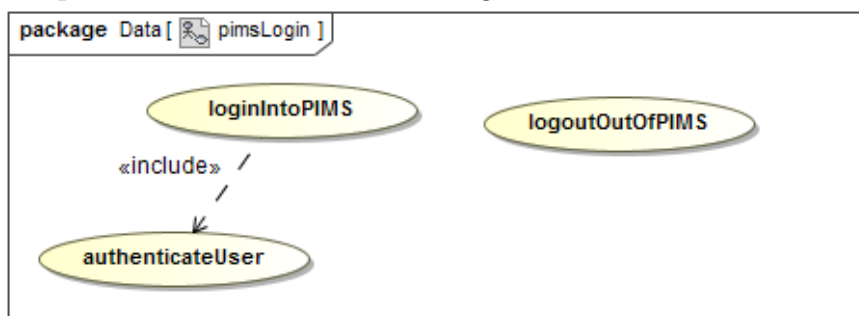
3 PIMS Login Module

This module is responsible for allowing a user to login into and Logout out of Pentec Patient Information Management System. A user should login with the credentials they were assigned upon registration. If the user is not assigned a username then an exception is thrown and the user is redirected to the login page.

To avoid "Spambots", a CAPTCHA challenge is used.

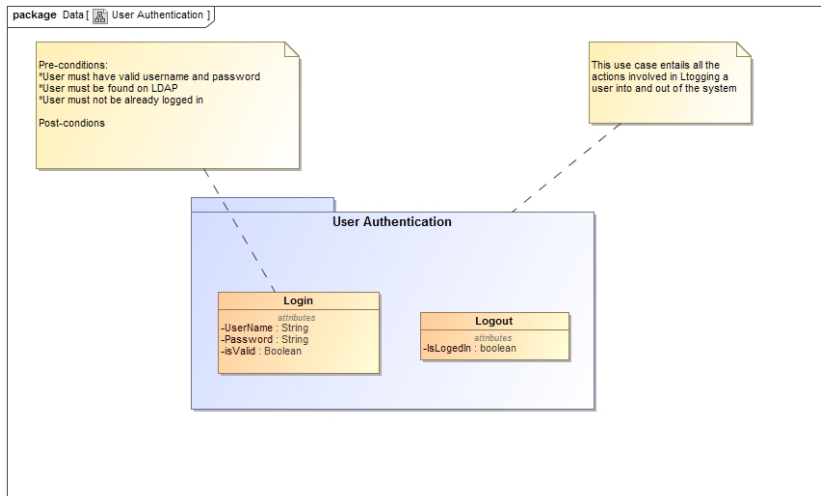
3.1 Scope

The scope is shown in the use case diagram below:



3.2 Use cases

3.2.1 loginToPIMS:



3.2.2 logoutOfPIMS:

