



[IP] Continuation of Dispensing Software for DPHM (SAS)

Partner Organisation: *School of Applied Science (SAS)*

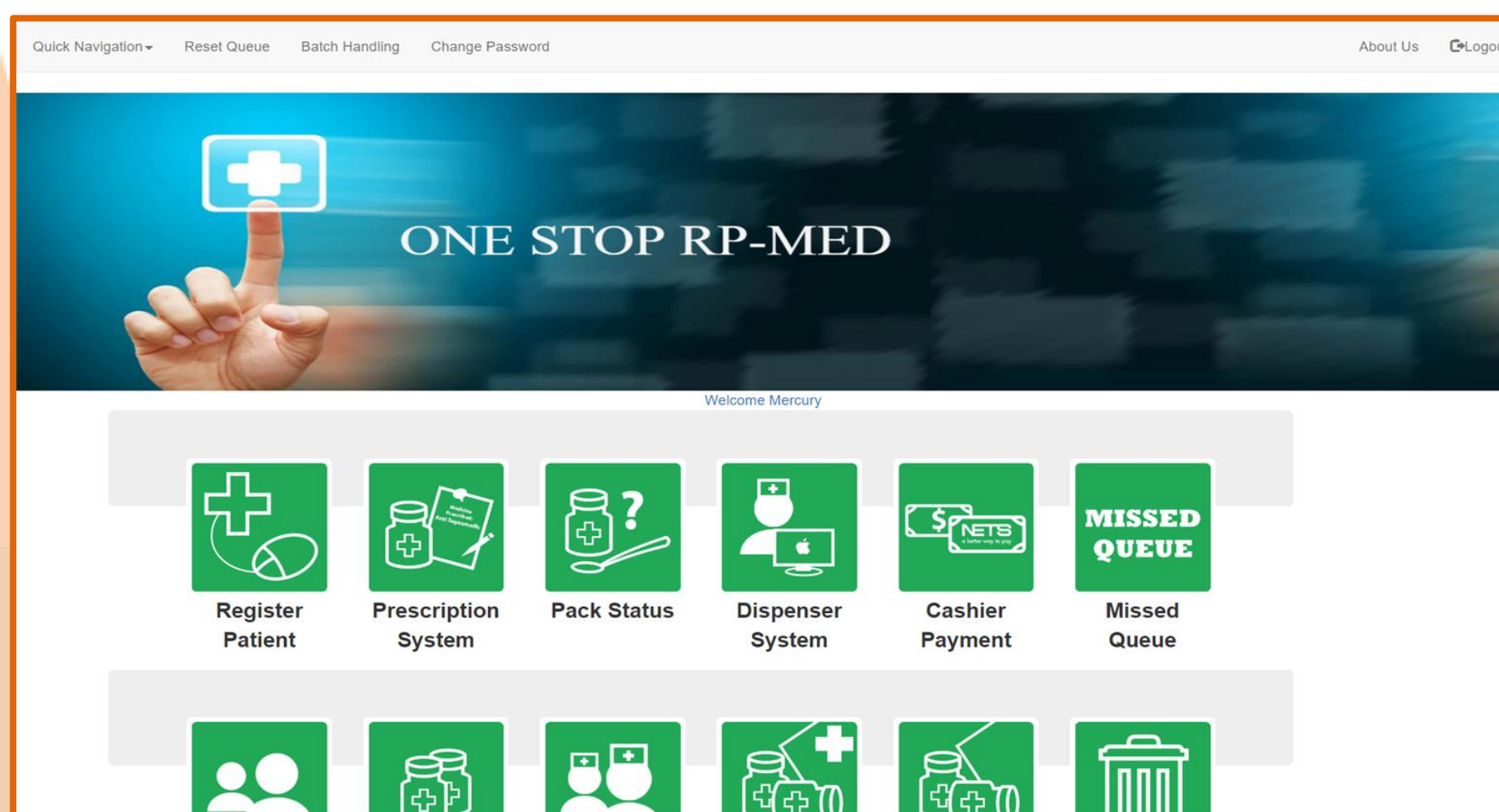
Project Overview

Problem: There is demand for pharmaceutical science students to be equipped with the necessary practical skills and knowledge applicable for hospitals, polyclinics and retail pharmacies. A learning platform that simulates realistic medicine dispensing practices is needed for students to practise on medicine dispensary to meet the demands of industry.

Requirements: To enhance the application software so that it is practically usable for the students of pharmaceutical sciences. MS SQL database and existing MVC .NET coding are used for the application development.

Solution: With reference to healthcare industry practices, enhance the pharmaceutical dispensing software work flows and features. Project enhancements include priority handling of registration queues, reports generation of medicine usages, packing process of medicines, dispensing process of medicines, summary of payment etc.

Technologies: Visual Studio 2019 (.NET MVC, MS SQL Database, JQuery, JavaScript, CSS and Bootstrap CSS, Internal Information System)

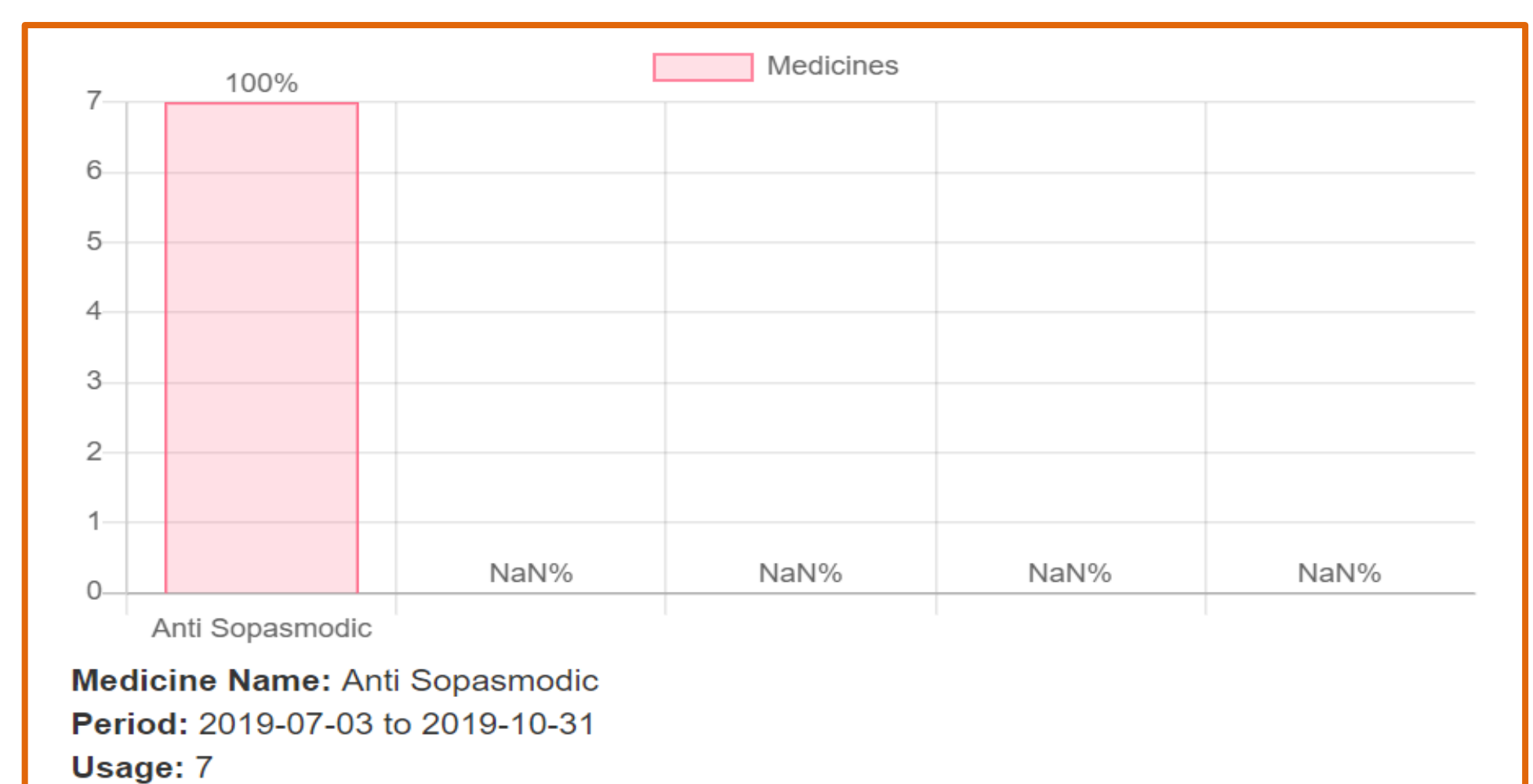


Application home page after logging in



Team Members

Chua Xuan Zhen (top left), Chua Chun Hui (bottom left),
Crissie Tan Kai Ning (bottom right), Mok Shu Min (top right)
Mr Sim Boon Cheong (supervisor)






Medicine usage report

Prescription System

Patient Information

NRIC	Name	Race	Smoker	Alcoholic	Allergy History
S1234567H	Eleanor Davis	Others	No	No	Seafood

Log updated!

Image	Medicine Name	Dosage	Duration	Quantity	Special Instructions	Actions
	Anti Sopasmodic	6	30	1	nil	Update Delete
	Chewable Vitamin C	1	30	1	nil	Update Delete
	Boswellia	42	30	1	nil	Update Delete

Add Medicine

Refresh

Prescription page with medicines prescribed for a patient