## Expanded Use Case(Student: Tan Xue Ying ID: B1500501)

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| **Use Case 1** | Maintain Hospital Information | |
| **Goal in Context** | To record/update the information about government hospitals | |
| **Primary Actor**  **Secondary Actor** | Website Administrator | |
| **Trigger** | A Food Truck Owner wants to record or update the current status of government hospital(s). | |
| **Typical Course of Events**  **Actor Action** | | **System Response** |
| 1. This use case begins when an administrator wants to record or update the information of government hospital(s) | |  |
| 2. An administrator logs in with the username and password. | | A list of government hospitals alongside their image, name, address and phone number is shown. |
| 3. The admin clicks on the hospital he wants to modify. | | The hospital’s details are shown as well as doctors’ name working under that particular hospital. |
| 4. The admin updates the hospital's image, name, address and phone number. | | The hospital's data is updated. |
| 5. The admin clicks on the required doctor. | | The doctor’s name, specialization and a list of achievements will be shown. |
| 6. The admin updates the doctor’s name, specialization and the list of achievements. | | The doctor’s data is updated. |
| **Alternative Course of Events** | | |
| Line 2: If the username and password does not verify, error message will be shown and no changes are allowed to be made. | | |
| Line 3: If the admin wants to add a new hospital, the image, name, address and phone number are required. The hospitalID is automatically generated. | | |
| Line 4: If the admin wants to add a new doctor, the name and specialization are required. A list of achievements can be added if there are any. A doctor ID will be automatically-generated. | | |
| Line 4: If the admin doesn’t want to modify doctors, this use case ends here. | | |
| Line 6: If the admin wants to add a new achievement of that particular doctor, the description is required. An achievementID will be generated to that new achievement. | | |

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| **Use Case 2** | Register Account | |
| **Goal in Context** | To allow a user to sign up as a Doctor or a Patient. | |
| **Primary Actor**  **Secondary Actor** | Patient/Doctor | |
| **Trigger** | A user registers for an account | |
| **Typical Course of Events**  **Actor Action** | | **System Response** |
| 1. This use case begins when a user wants to sign up for an account. | | Allow the user to choose whether they are signing up as a Doctor or Patient |
| 2. If the user is a Patient, enter the username, password, full name, email address and phone number. | | A patientID will be generated automatically. |
| 3. The user can log in with the username and password | | Allow the user to modify the password, fullname, email address and phone number. |
| **Alternative Course of Events** | | |
| Line 2: If the user is a Doctor, username, password, full name, email address, phone number, specialization and licenseNo is recorded.  Line 3: If the user is a Doctor, allow the user to modify the password, full name, email address, phone number,specialization and licenseNo. | | |

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| **Use Case 7** | Create Prescription and Medication | |
| **Goal in Context** | To allow Doctor to create diagnosis and prescription. | |
| **Primary Actor**  **Secondary Actor** | Doctor | |
| **Trigger** | A doctor has finished diagnosing a patient. | |
| **Typical Course of Events**  **Actor Action** | | **System Response** |
| 1. This use case begins when a doctor has finished diagnosing a patient. | |  |
| 2. The doctor must log in to his account. | | That doctor’s details are retrieved. |
| 3. The doctor must select a patient by patientID. | | The patient’s profile is retrieved. |
| 4. The doctor enters remark of his/her diagnosis. | | A diagnosis is created. DiagnosisID is generated automatically. Date and time are set according to system time. It is linked to the doctor and the patient. A list of medicine is shown. |
| 5. The doctor clicks on the medicine to prescribe and enter the amount. | | The prescribed medicine is linked to the diagnosis. |
| 6. The doctor finished prescribing. | | The prescription with diagnosisID will be sent to the patient via email. |
| **Alternative Course of Events** | | |
| Line 5: This line can repeat if there is more than one type of medicine to prescribe. | | |