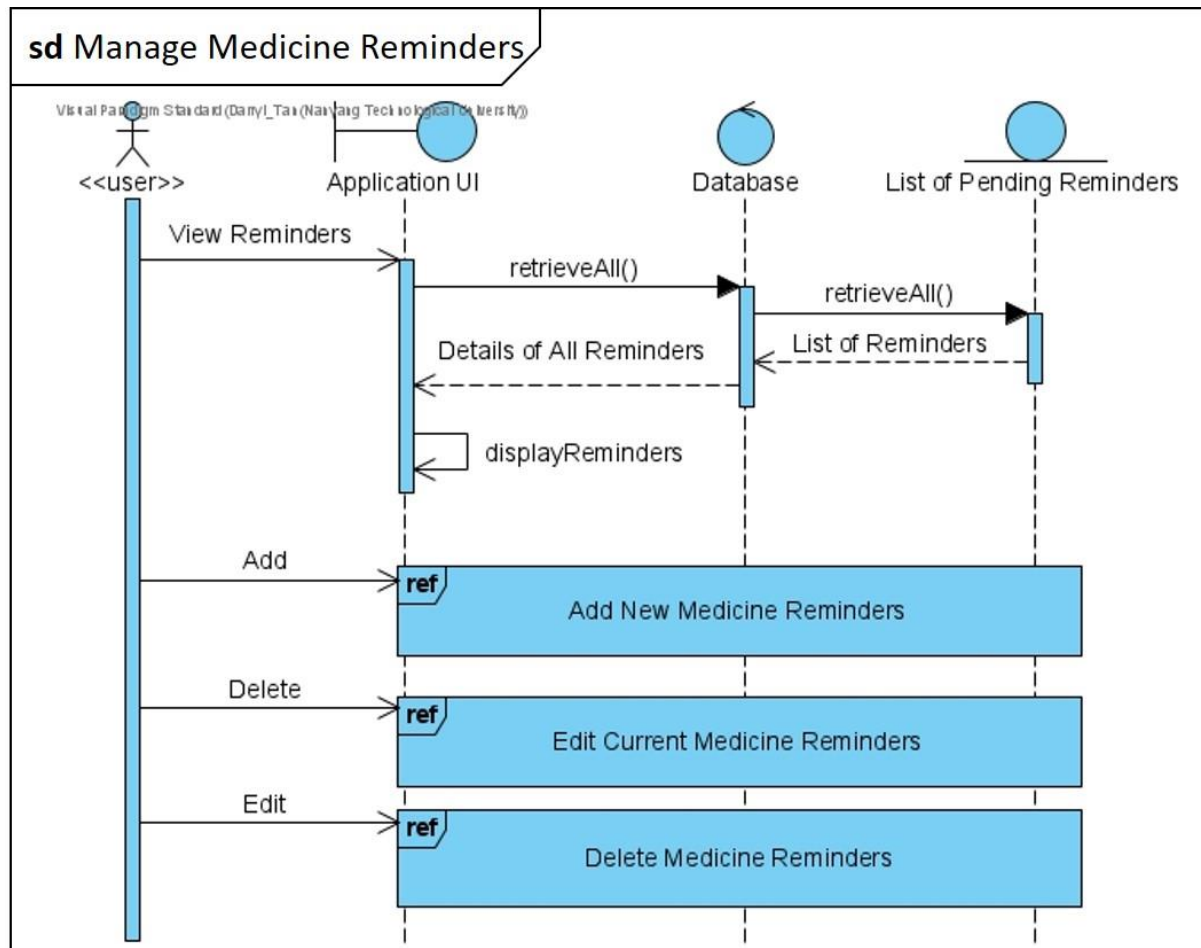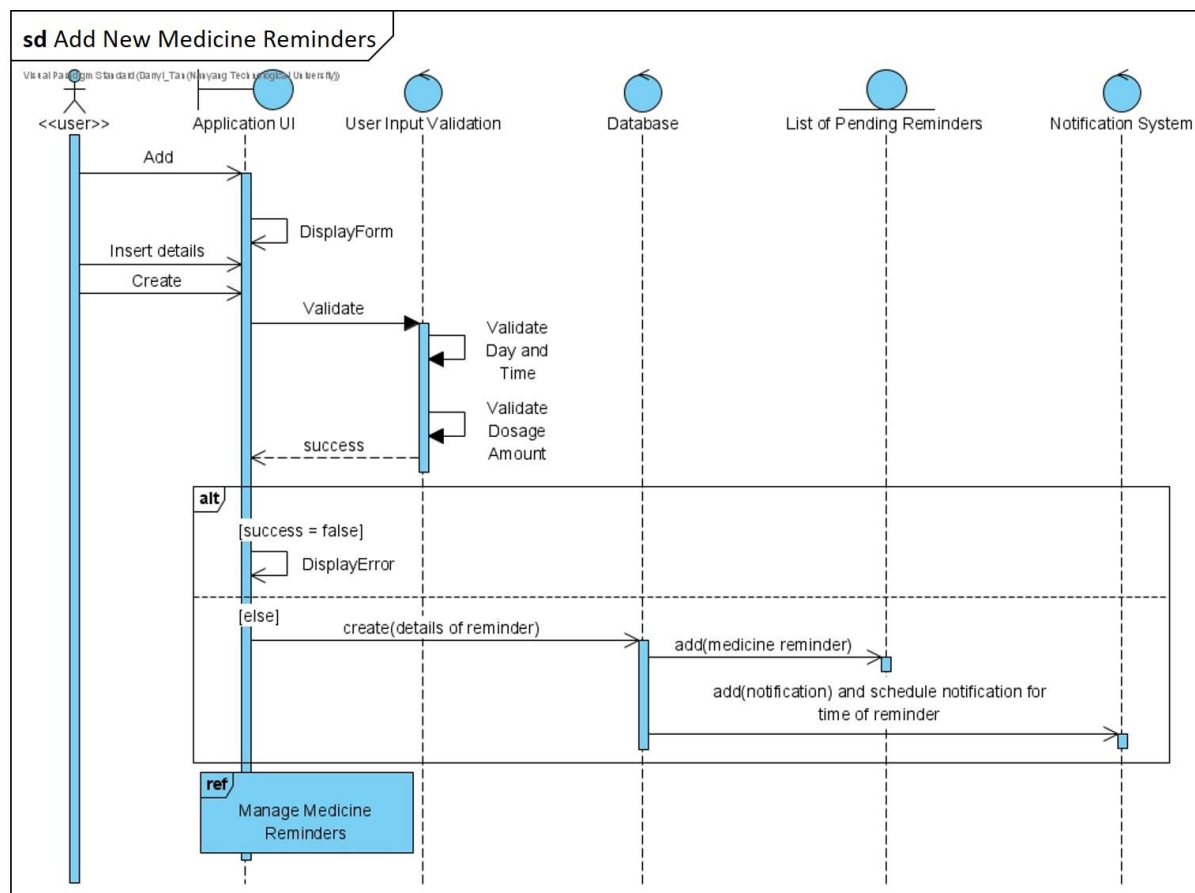# Requirement Analysis- Sequence Diagrams
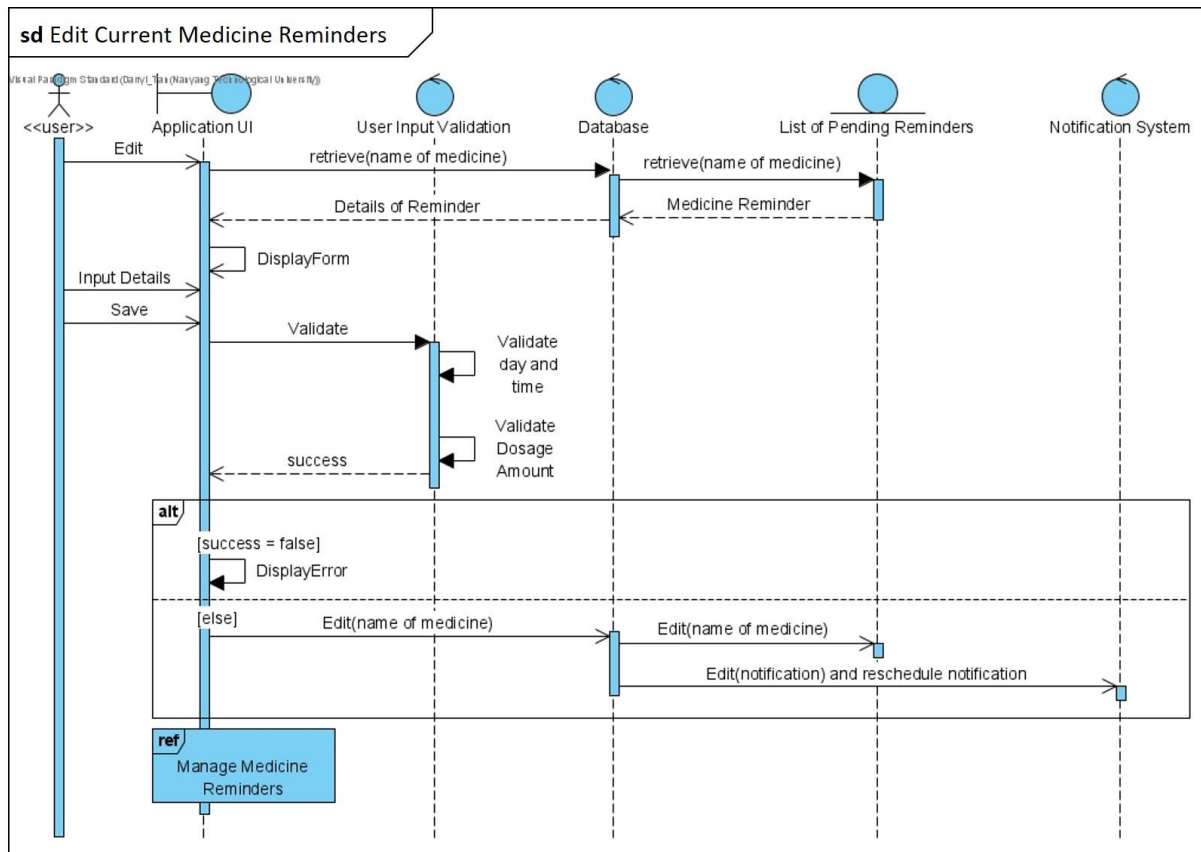
Use Case 01 – Manage Medicine Reminders

Use Case 02 – Add New Medicine Reminders

sd Add New Medicine Reminders

Visual Paradigm Standard (Darryl_Tan(Nanyang Technological University))

Actors/Lifelines: <<user>>, Application UI, User Input Validation, Database, List of Pending Reminders, Notification System

- Add
- DisplayForm
- Insert details
- Create
- Validate
- Validate Day and Time
- Validate Dosage Amount
- success

alt
- [success = false]
  - DisplayError
- [else]
  - create(details of reminder)
  - add(medicine reminder)
  - add(notification) and schedule notification for time of reminder

ref Manage Medicine Reminders

Use Case 03 – Edit Current Medicine Reminders

sd Edit Current Medicine Reminders

Visual Paradigm Standard(Darryl_Tan(Nanyang Technological University))

Lifelines: <<user>>, Application UI, User Input Validation, Database, List of Pending Reminders, Notification System

- user → Application UI: Edit
- Application UI → Database: retrieve(name of medicine)
- Database → List of Pending Reminders: retrieve(name of medicine)
- List of Pending Reminders → Database: Medicine Reminder
- Database → Application UI: Details of Reminder
- Application UI → Application UI: DisplayForm
- user → Application UI: Input Details
- user → Application UI: Save
- Application UI → User Input Validation: Validate
  - User Input Validation → User Input Validation: Validate day and time
  - User Input Validation → User Input Validation: Validate Dosage Amount
- User Input Validation → Application UI: success

alt
- [success = false]
  - Application UI → Application UI: DisplayError
- [else]
  - Application UI → Database: Edit(name of medicine)
  - Database → List of Pending Reminders: Edit(name of medicine)
  - Database → Notification System: Edit(notification) and reschedule notification

ref
Manage Medicine Reminders

Use Case 04 – Delete Medicine Reminders
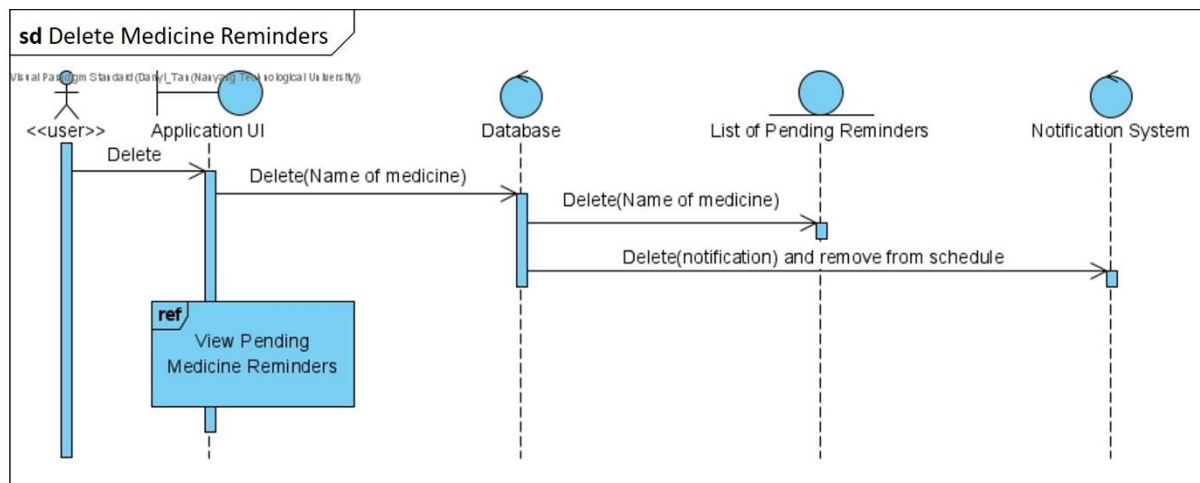
Use Case 05 – Send Medicine Reminder & Notify User

sd Send Medicine Reminder & Notify User

Visual Paradigm Standard (Darryl_Tan (Nanyang Technological University))

<<user>> Android System Notification System

Time of reminder

Send Notification

Press Notification

Application UI

ref

Manage Medicine Reminders
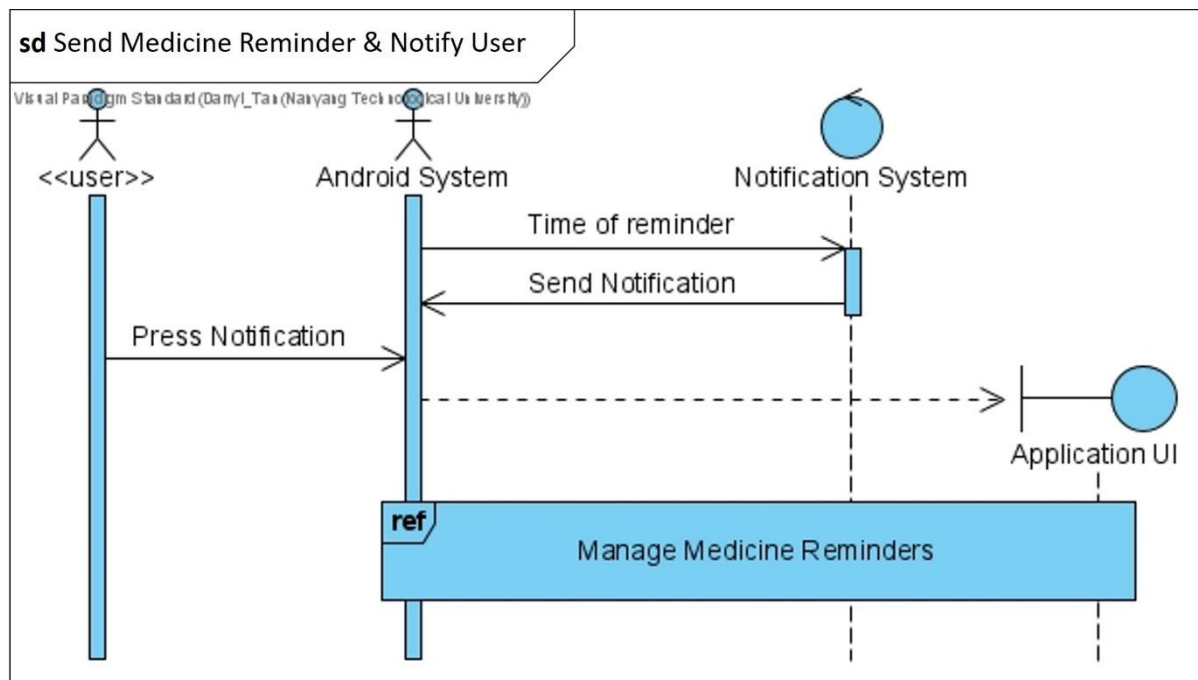
Use Case 06 – View CHAS Clinic Location
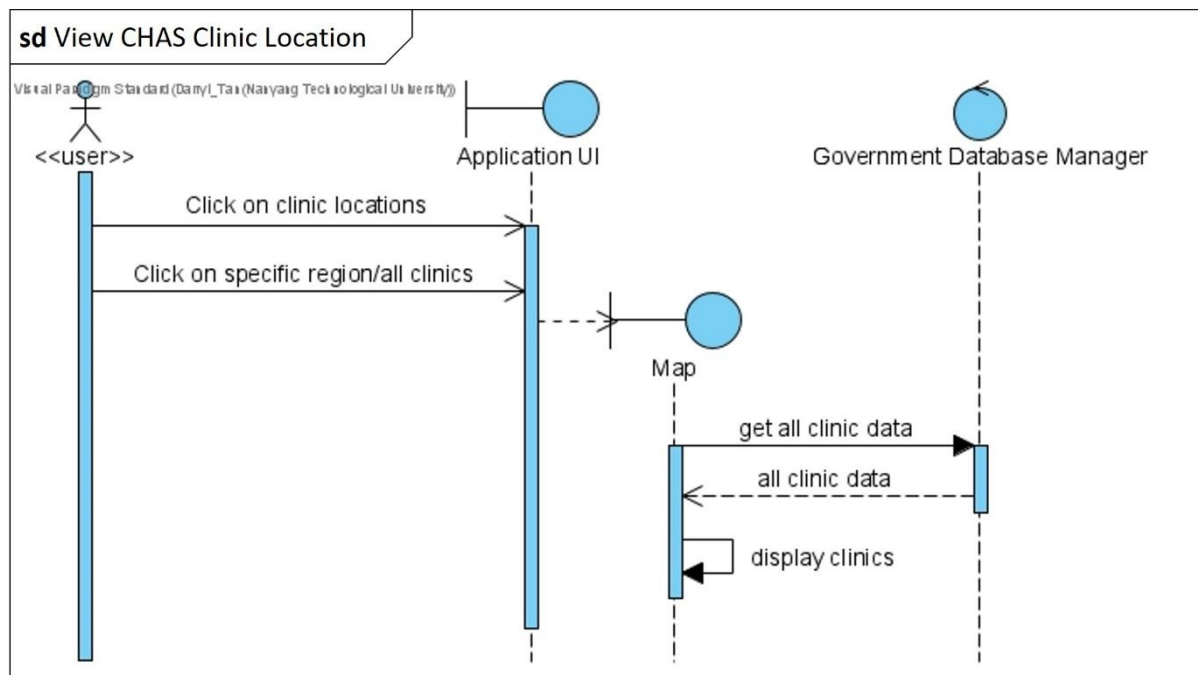
Use Case 07 – Display Infectious Disease Bulletin