

Chabot supported with knowledge base

Intro:

V.I.K.I is the name of our Chabot ,this Chabot is used in medical assistance for poor people around the world who can't pay money to visit a doctor for medical diagnosis or medical description , the Chabot is built by rasa framework and python using database neo4j , VIKI speaks English and formulate its own experience form text file speaks about diseases and some dataset to know how to find the answer and generate a friendly answer this use the framework, it's recommended to use image classification algorithms to detect disease from images or injury ,VIKI must be fast and use logic based on knowledge base to classify the symptoms to its correct diseases , VIKI shell be human like conversation engine

1- What shell V.I.K.I do(functional requirement)?

- 1-do medical diagnosis or medical description according the knowledge it has
- 2-answer questions about anything (can be specified in medical only)
- 3- Ask questions and manage dialog with user
- 4- It has only patients that use it as free services
- 5- Use web application like messenger
- 6- it shell send/receive images and photo from the user

Obligatory

2- Analysis

Use case

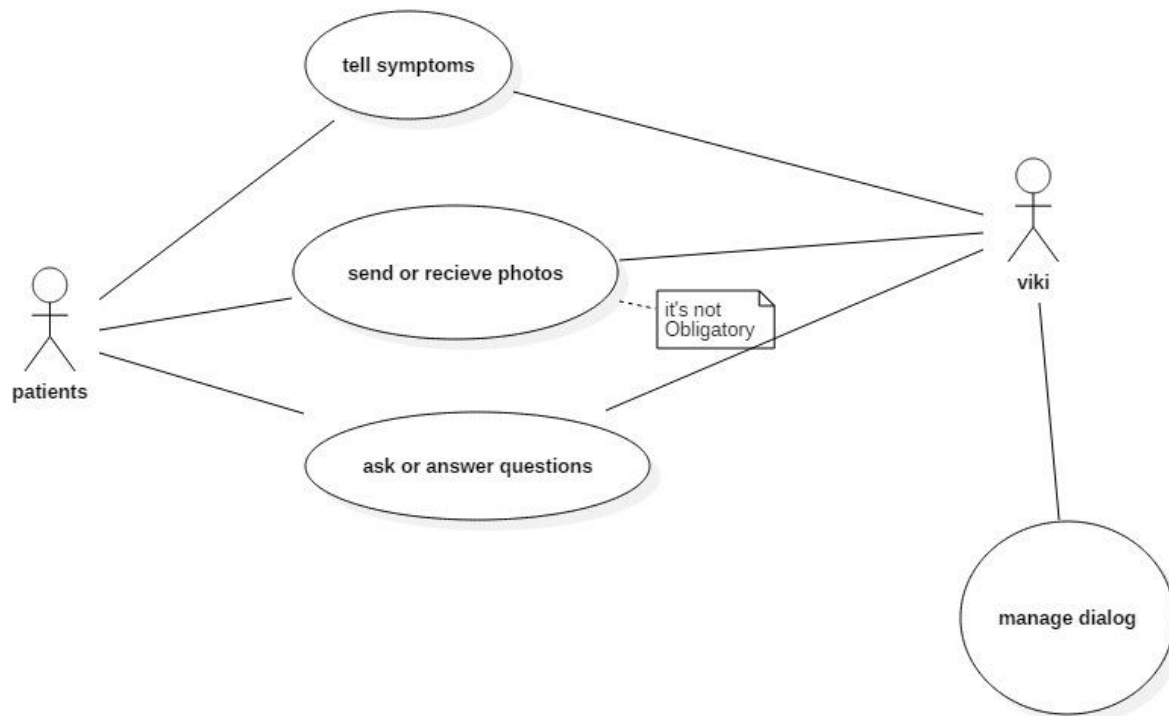


Figure 2-1: use case design

Finite state machine

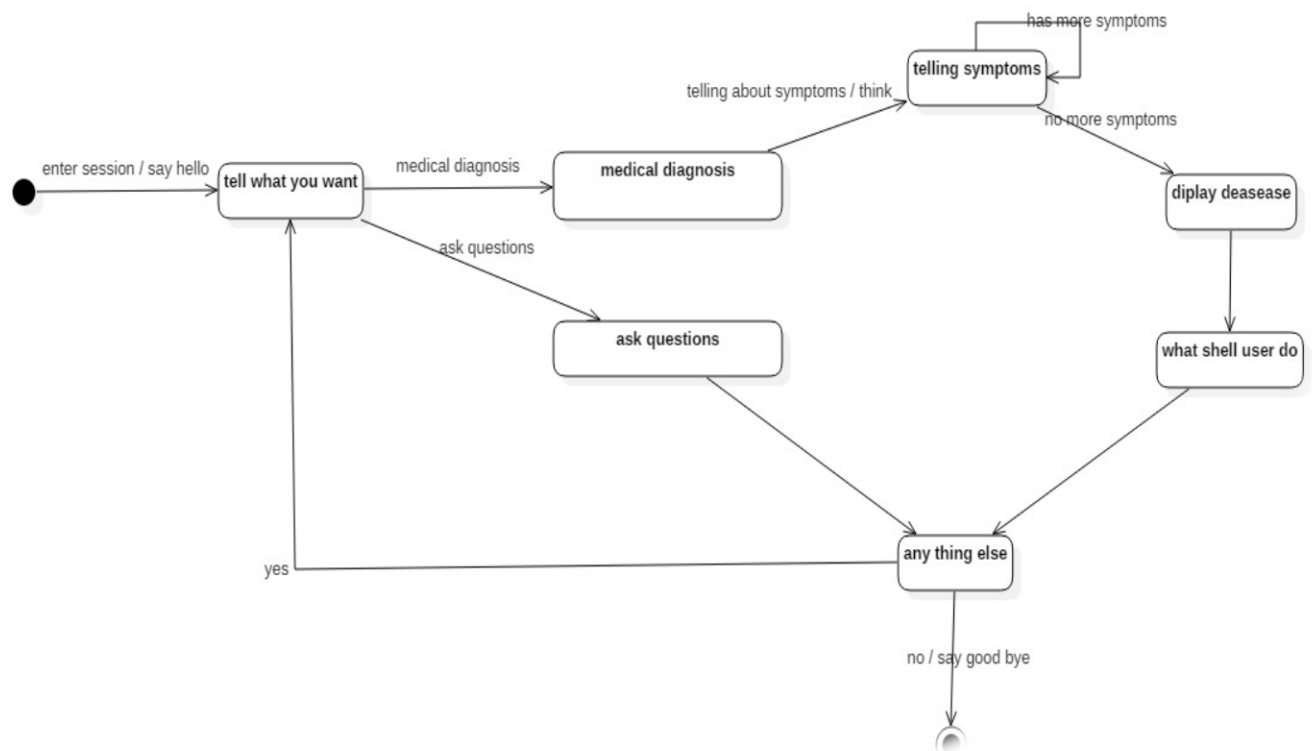


Figure 2-2: this is finite state machine is for dialog without image sending/receiving