CANCER DETECTION BOT

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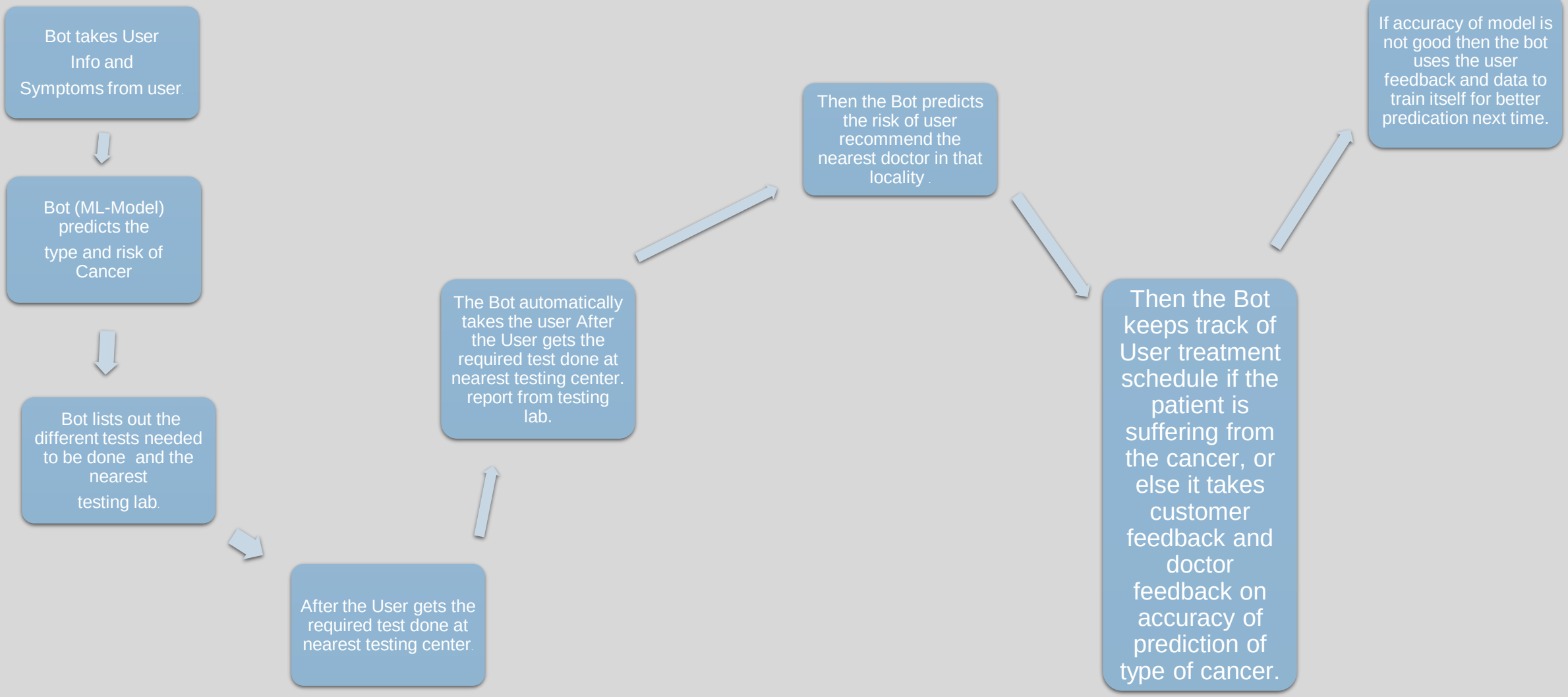
Introduction And Working Of Bot

- These project is a charity based project where it will help the user to detect whether the user have cancer based on the symptoms .
- At first the bot interacts with users and will ask the user to list out the physical changes that they have gone through during a specific period , then the bot predicts the type of cancer with the risk-meter (using ML models).
- Then the bot suggest the nearest labs and the lists out the test that need to be done.
- The bot keeps tracks of the conversation with the user.
- After getting the test done by the user from the nearest paramedical labs , User needs to enter his/her credentials and login's.
- Then the Bot automatically gets the test reports of user from the testing Labs and predicts the whether or not the user have cancer. (Using ML model).
- If the Bot predicts that there is high risk that the user have cancer then, it will recommend the senior Doctor/specialist, or else it will recommend the user a junior Doctor in that locality/city.
- After verification of the user reports from the Doctor, the bot then ask feedback from the user and records into the database for better predication next time (records the user feedback for the training and finetuning of the ML model).
- Then the bot trains itself based on user feedback every 3 day.

WorkFlow Diagram



CONCLUSION

- By using these bot the User’s can predict whether they have Cancer or not.
- If the user have can Cancer the Bot keep tracks of treatment procedure (dates) ,medicine prescription ect…

IMPLEMENTATION ON LOCAL HOST

These project is implemented on local host by integrating Dialogflow with flask Api

The front is implemented using html,css and the backend is implemented using python and sklearn and other libraries.

THANK YOU