**Advanced Programming Project Proposal**

***Name : khalil alsulaimani ID:439007816 group:1***

**Project :** *clinic reception system*

**Description :**

A system that a receptionist at a clinic will use to add new patients or find ones that are already in the database then make appointments for said patient and see the doctors openings in there schedules to add the patient then create a file to print containing patient information with doctors name and date and time of the appointment moreover the system will have a three level hierarchy :

1. Owner
2. Manger
3. Receptionist

The owner will have the privilege to add and remove anyone under him from the database

i.e., removing or adding or altering their sign in information and view the logs of sign ins and outs and statistics of the clinic

while the manger can only add doctors , receptionist but not remove anyone and gets access to view the doctors information and schedules and can print a file of a days schedule

and the receptionist can only add patients or look for them in the database and schedule appointments

**Functionality :**

On start up the application will prompt a sign in page where the user will sign in and the system will see if there the owner or manger or receptionist based on the starting three letters of there ID then depending on their status, they will be promoted with a different window that only contains the actions they are allowed to do there and the application will log every time a user logs in and out and saves the time of those actions within the users information which can be accessed by the owner