**COMPUTER SCIENCE PROJECT**

**HEALTH MANAGEMENT**

**(COVID – 19)**

**The project will have 4 (major) files:**

**WELCOME SCREEN**

1. **MAIN FILE (the log in screen)**

* **User info**

1. Patient\_id(primary key)
2. First name
3. Last name
4. User name

A table in SQL will be created and all data entered shall be stored in it.

1. Password
2. Age
3. Gender
4. Blood group
5. Address
6. Phone number
7. Profession
8. State

* **Menu**

1. Choice 1 🡺 Self Assessment

3 modules would be imported.

1. Choice 2 🡺 Covid Updates
2. Choice 3 🡺 EXIT
3. **SELF ASSESSMENT FILE**

***{Ask different types of questions}***

1. **Are you experiencing any of the following symptoms?**

(Dictionary🡺 cough (8), fever (10), difficulty in breathing (15), loss of senses of smell and taste (6),

None of the above (0))

**{Symptom (key and points (value)}**

1. **Have you ever had any of the following:**

(Dictionary 🡺Diabetes (8), hypertension (8), lung disease (10), heart disease (10), kidney disorder (10), none of the above (0))

**{Disease (key and points (value)}**

1. **Have you travelled anywhere internationally in the last 28-45 days?**

{Yes (5) and No (0)}

1. **Which of the following apply to you?**
2. I have recently interacted or lived with someone who has tested positive for covid-19…) \_\_\_(10)
3. I am a healthcare worker and I examined a covid-19 confirmed case without protective gear…)\_\_\_(12)
4. None of the above)\_\_(0)
5. **Print the necessary output**

|  |  |  |  |
| --- | --- | --- | --- |
| **Points** | **Output** | **Advice** |  |
| **0-8** | **Extremely Low** | **Follow government guidelines to keep yourself safe** | **☺** |
| **9-18** | **Low** | **Take necessary precautions and have a proper diet** |
| **19-27** | **Moderate** | **Home isolation is recommended** | **☺** |
| **28-36** | **High** | **You can take up a voluntary covid-19 test, (just to be sure!!!)** | **☺** |
| **37-45** | **Extremely High** | **Contact to the nearest covid testing centre and inform them about your state.** |

**REFER THEM HOSPITALS BASED IN WHICH STATE THEY RESIDE:-**

1. NORTH ZONE
2. SOUTH ZONE
3. EAST ZONE
4. WEST ZONE
5. NORTH-EAST ZONE

**USING CSV FILES**

**COVID UPDATE FILE**

1. All over India
2. State wise
3. No of active cases

Graph (matplot)

1. No of recovered cases
2. Death rate
3. Recovery rate
4. **EXIT FILE (includes precautions and guidelines)**

***{Refer to arogya setu app for this}***