



## COMPUTATIONAL THINKING AND PROGRAMMING (CSET101)

BENNETT UNIVERSITY

**TOPIC OF WORK: ASCLEPIUS – YOUR WELLNESS PARTNER**

**NAME OF THE TEAM: OBSIDIAN**

### **TEAM MEMBERS & ROLES:**

- **CHIRAG AGGARWAL:** LOGIC BUILDING & CODING.
- **AKSHAY NEGI:** CODING & DEBUGGING.
- **AMAN BOORA:** UI DESIGNING & CODING.
- **DIVESH SAINI:** SQLITE OPERATIONS & CODING.
- **ADITI CHATURVEDI:** CODING, DATA COLLECTION & DOCUMENTATION.
- **SHIVANGI TRIPATHI:** UI CODING & DESIGNING.

### ❖ **INTRODUCTION**

Asclepius provides the user with a perfect layout of the available medicines in the University's Wellness centre. It is easily accessible to check the availability of required meds by the patients who might face difficulty being physically present at the wellness centre. It comes with a user-friendly interface and saves time and energy. It assures the transparent working of the wellness centre. The available meds could be delivered at the doorstep of hostellers, and one is unavailable can be requested to be ordered as per the requirement.

### ❖ **OBJECTIVE**

- **ACCESSIBILITY-** Makes the availability of medicines easier.
- **CONVENIENCE-** Reduces physical distance and makes the meds readily available even at your doorstep.
- **TRANSPARENCY-** Provides assurance on the transparent working of the wellness centre.
- **DIGITALIZATION-** Promotes technical advancement.

## ❖ PROJECT DESIGN

The project design consists of two display windows for login/signup credentials and Dashboard information.

Dashboard consists of 3 Frames:

- Main Frame
- Title Frame
- Navigation Frame

The project also consists of a feature of Dark/Light mode to reduce the consumption of power as well as provide user a comfortable environment.

The left screenshot shows the 'SignUp to Asclepius!' window. It has a title bar 'Asclepius - Home' with 'Login' and 'Signup' buttons. The form includes fields for 'Full Name\*', 'Bennett Enrollment No.\*', 'Dayscholar/Hosteler\*' (with radio buttons for 'Dayscholar' and 'Hosteler'), 'Hostel Room No', 'Contact No.\*', and 'Password\*'. A green 'Register' button is at the bottom.

The right screenshot shows the 'Login Here!' window. It has a title bar 'Asclepius - Home' with 'Login' and 'Signup' buttons. The form includes fields for 'Enrollment ID:' (with value 'E22CSEU0325') and 'Password:' (with masked characters). A green 'Submit' button is at the bottom.

## ❖ HARDWARE SPECIFICATIONS

4GB RAM is recommended to run the program and atleast 10MB free space is required for running the current dataset.

## ❖ OUTCOME MEASURES

Asclepius covers the entire history of the medical reports of the user and provides the required medicines.

The screenshot shows the 'Asclepius - Your Wellness Partner' dashboard in dark mode. On the left is a 'Navigation' sidebar with buttons for 'DashBoard', 'Medicines', 'Med Records', 'About', 'Dark Mode', 'Light Mode', and 'Quit'. The main area has a 'Welcome to Asclepius' heading and a welcome message: 'Hello, User Name. Welcome to Asclepius, Your Wellness Partner. The following are the your details saved in our database.' Below this, user details are listed: 'Enrollment Number : E22CSEU0325', 'Full Name : Chirag Aggarwal', 'Hosteller? : No', 'Hostel Room No. : Not Provided', and 'Phone Number : 9667658415'. A logo for 'ASCLEPIUS' is in the top right corner.

## ❖ DATA COLLECTION & ANALYSIS

The data (Medicine Record) was collected and tested manually from a verified website ([www.1mg.com](http://www.1mg.com)).

Mid	Name	Treatment	Price	In stock	Order
Mm01	Asthakind p	Chest congestion	54.56	Yes	<input type="checkbox"/>
Mm02	Dolo-650	Fever, headache, migraine	34	Yes	<input type="checkbox"/>
Mm03	Meftal-500	Pain and inflammation	28	No	<input type="checkbox"/>
Mm04	Nise 100	Pain and fever	107	Yes	<input type="checkbox"/>
Mm05	Hosol-s6	Eczema	254.15	Yes	<input type="checkbox"/>
Mm06	Covate	Dermatitis, eczema and allergies	54	Yes	<input type="checkbox"/>
Mm07	Codistar dx	Cough	92	Yes	<input type="checkbox"/>
Mm08	Sizodon md	Schizophrenia	25.6	No	<input type="checkbox"/>
Mm09	Folvite mb	Immunity	179	Yes	<input type="checkbox"/>
Mm10	Mm10	Sneezing, watery eyes and throat irritation	103.2	Yes	<input type="checkbox"/>
Mm11	Azithral tablet	Respiratory infections, ear infections, eye infections	104.96	Yes	<input type="checkbox"/>
Mm12	Erythrocin 500	Infection of respiratory tract, ear, nose, etc	88.24	Yes	<input type="checkbox"/>
Mm13	Liv.52	Liver function	150	No	<input type="checkbox"/>
Mm14	Gasex	Unhealthy digestive functioning	155	Yes	<input type="checkbox"/>
Mm15	Epitril	Anxiety disorder, epilepsy/seizures	46.1	Yes	<input type="checkbox"/>
Mm16	Aldactone	Heart failure and high blood pressure	28.8	No	<input type="checkbox"/>

## ❖ DRAWBACKS & LIMITATIONS

The data is saved locally not permanently.

Asclepius is a desktop program instead of a Mobile friendly program.

The collected data is dynamic.

## ❖ CONCLUSION

We have successfully created an E-Commerce interface with login/sign-up options along with various useful features.

## ❖ KEYWORDS

HEALTHCARE, WELLNESS, E-COMMERCE, DIGITALIZATION, INNOVATION.

## ❖ POTENTIAL IMPACT

It encourages healthcare advancement.

## ❖ FUTURE PLANS

We plan on affixing additional features like tracking system, digital diagnosis etc.

## ❖ REFERENCES

Tom Schimansky for Customtkinter.

[www.1mg.com](http://www.1mg.com) for Data Collection & Verification.