



URMATE PHARMACY

A Report for the Evaluation 3 of Project 2

Submitted by

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In partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

School of Computing Science

**Under the Supervision of
MS. SWATI SINGH**

MAY,2020

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1.Abstract

The main aim of developing this application is to supply the medicines all over the country by just a single click and to reduce the time consumption. Online pharmacy is a web-based application. The user can post requirement for medicine. User can purchase medicine online. Medicine is provided at your doorstep by the nearest associate store. The prescription is mandatory for ordering medicine. As per the prescription, the user can search medicine and useful information. This application provides information for daily consumption of medicine. This application provides user login to the customer. And admin can get the all expired medicines information and he can able to see all orders information of clients.

2.Introduction

(i) Existing System

The customer goes to the shop and purchases the medicine required. So, a lot of time is wasted and the person gets tired. If he wants to exchange the product, once again he goes to the shop and replaces them. The complete process depends on the physical interactions.

Here are some Cons of Existed System:

a. Time: Sometimes drugs are not available at nearby pharmacy store they may prove to be time consuming for the elderly and busy scheduled peoples to see proper drugs at right time to prevent the risk of patient's health.

b. Price: The price of drugs is more than online pharmacy medicines due to middle man's profit. The patient due to its poverty may find difficulty in buying costly and branded drugs which may prolong its long-term diseases.

c. Inconvenience: Chronic elderly patients who are not able to go to pharmacy store may cause difficulty in finding the stores situated at long distances or unrelated places.

(ii) Proposed System

The Online Pharmacy is easy to use and order. The customer selects the required medicines and orders them by a single click. Before it, the customer needs to create a login account and fill all the details like name, address, any id no...Etc. The client can able to view the status of the medicines. The business goal for the application is to provide the medicines to all the people & admin will provide the supplier details.

Here are some Pros of E-Pharmacy:

a. Convenience: It is easy to order online medicines with prescription. Individuals who live great distances from a terrestrial pharmacy, the elderly, disabled persons, and those whose daily schedule includes additional hassles, all can benefit from the easy and fast purchasing of medicines online. Additionally, shipping charges are often less than the expense incurred from travel costs associated with a visit to a traditional pharmacy.

b. Future Vision: Under Digital India initiative, Jan Aushidhi Program the governments take initiative to create awareness & provide access of affordable medicines to the general public which compromising to good quality drugs. The operating model of E-pharmacy which has

mobile & web-based applications, directly linked to inventory & dispensing existing at Jan Aushadhi Stores.

c. Time Saving: In just a matter of minutes, you can log into the internet, head over to an E-pharmacy website and buy any prescription medicine that you want. It takes less time and effort than travelling to your local pharmacy and having to wait in line for your medicine.

d. Lower Price: Drug shopping on the internet helps a buyer to save money. Several surveys conducted by research bodies have shown that as much as one third the price can be saved on prescribed medicines if they are bought online.

e. Private & Confidential: This is particularly helpful to people who find it hard to speak face to face with doctors & pharmacists. It is also helpful to people who feel as if they have very embarrassing or shameful situations like erectile, dis-functioning, acne, STD's, hair loss etc. They can order their products without feeling embarrassed or judged.

f. Range of Choices: E-pharmacy offers a great variety of options. They usually have larger stocks of drugs than a physical pharmacy.

g. Drug Approval: Most of these legal stores have a process of drug approval. They require a prescription from a personal physician, or at least offer a drug as a prescribed medication only after the consumer fills up a questionnaire. This questionnaire is reviewed by a doctor before the drug is dispatched.

h. Medical Information: Some online pharmacies provide useful information about medications and diseases as well as links to medical resources such as universities, government agencies, and health associations.

3.Literature Survey

The Indian pharmaceutical market was valued at \$36.7 Bn in 2018 and stood as the 3rd largest market in terms of the volume and 13th largest in terms of the value. It is estimated to grow \$55 Bn by 2020 at a CAGR of +12% from 2015 to 2020, amid rise in ageing population and chronic diseases, rising disposable incomes and increasing awareness among others (Source: Invest India, IBEF). A low production cost, which is about one-third that of the US and almost half that of Europe gives India a competitive edge as a manufacturing destination.

Approximately half of the Indian manufactured drugs are exported to more than 200 countries in the world, while the other half is used for domestic consumption. The Indian pharmaceutical industry is highly fragmented with ~24,000 drugs and APIs manufacturers, out of this a majority are unorganised.

For all domestic consumptions, Indian retail pharmacies are the dominant distribution channel with more than 85% share of the overall pharmaceutical sales in India. Retail pharmacy refers to retail channels which sell prescription and over the counter drugs along with FMCG products as well as certain generic testing services such as blood testing, sugar testing, etc. According to IBEF, the Indian retail pharmaceutical sector is estimated to reach \$59 Bn (2023) from \$25 Bn (2017), growing at a CAGR of 15% (2018-23).

Like manufacturers, retail pharmacy market is also highly fragmented in the nation. Unlike the USA where the top three retail pharmacy chains hold 82% of the market share, India currently has over 850,000 offline pharmacy retail stores with no dominant retail chain in terms of the market share. According to the Research and Markets, these traditional brick and mortar retail

pharmacies are currently responsible for ~99% of the pharmaceutical sales, while online pharmacy or e-pharmacy contributes ~1% of the total therapeutic sales.

4. Challenges in E-Pharmacy:

- Risks of unauthorized users getting Drugs
- Prescriptions has to be matched
- Same brand medicine should be given to a patient every time.
- Seller Verification

5. Proposed Model:

Solutions to the Problems:

- **Risks of unauthorized users getting Drugs:**

In order to overcome this problem, we will verify user by their Aadhaar Card.

- **Prescriptions has to be matched:**

Prescriptions will have to be uploaded in order to purchase any drug. Our team will verify if there are valid prescriptions or not manually.

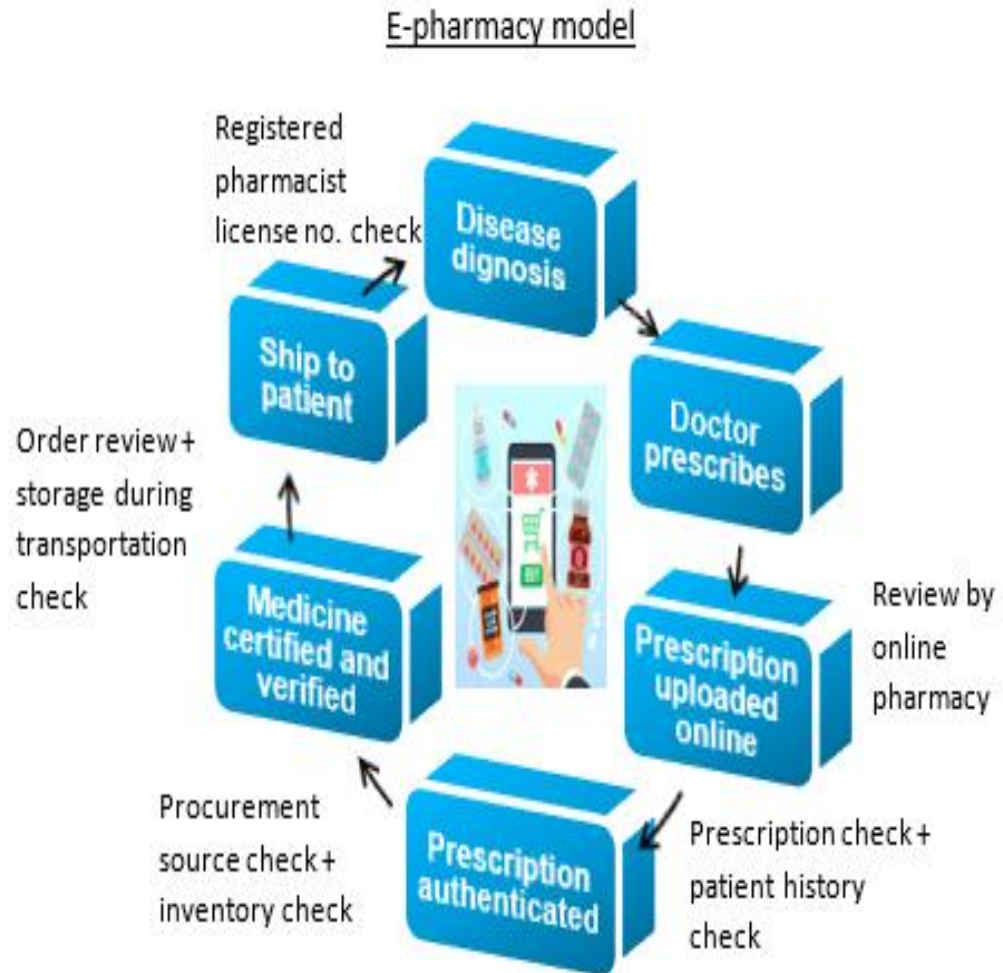
- **Same brand medicine should be recommended to a patient in some cases:**

Records of each patient will be maintained in our databases according to which drugs will be suggested.

- **Seller Verification:**

Seller's Licence will be checked.

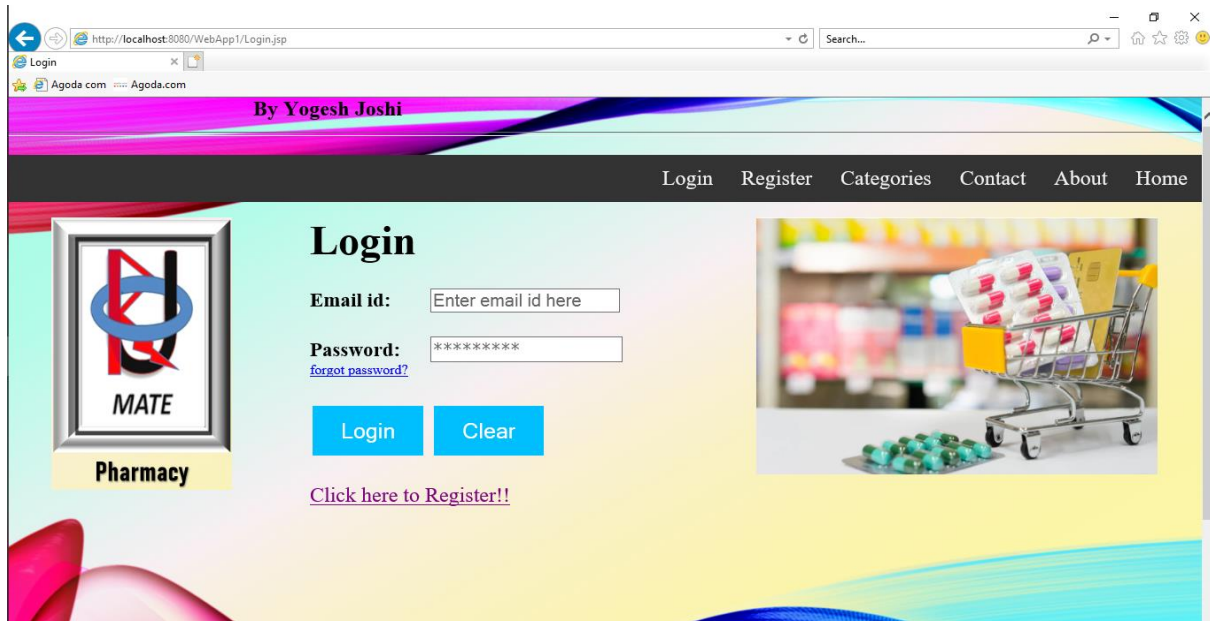
Basic Model for E-Pharmacy:



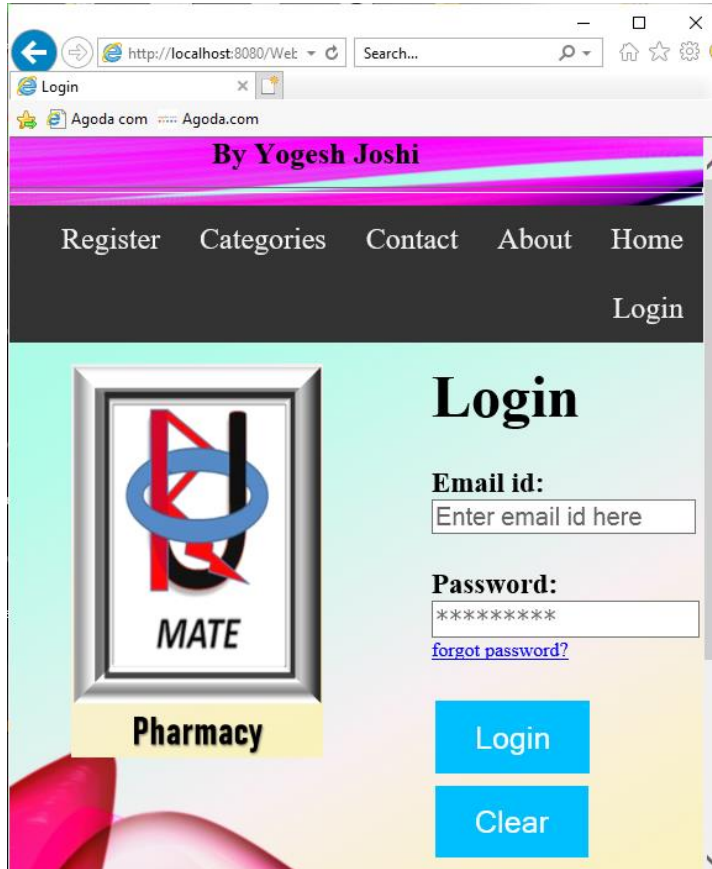
Source: Televisory's Research

6. Project Live Progress:

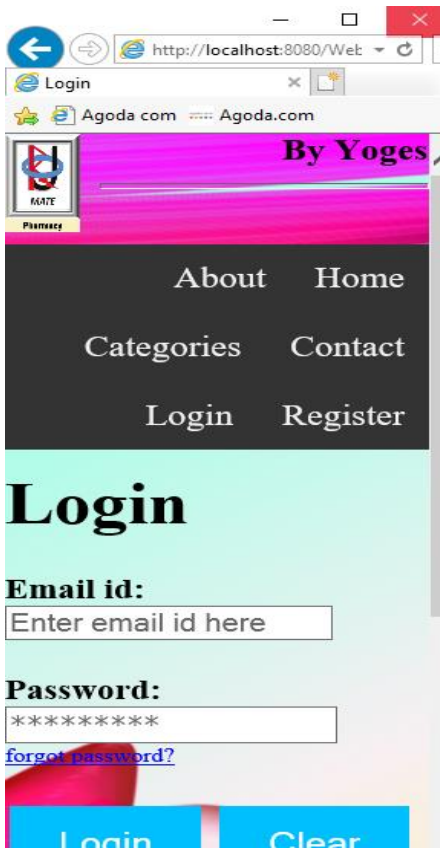
- URMate Web App login page: **PC look.**



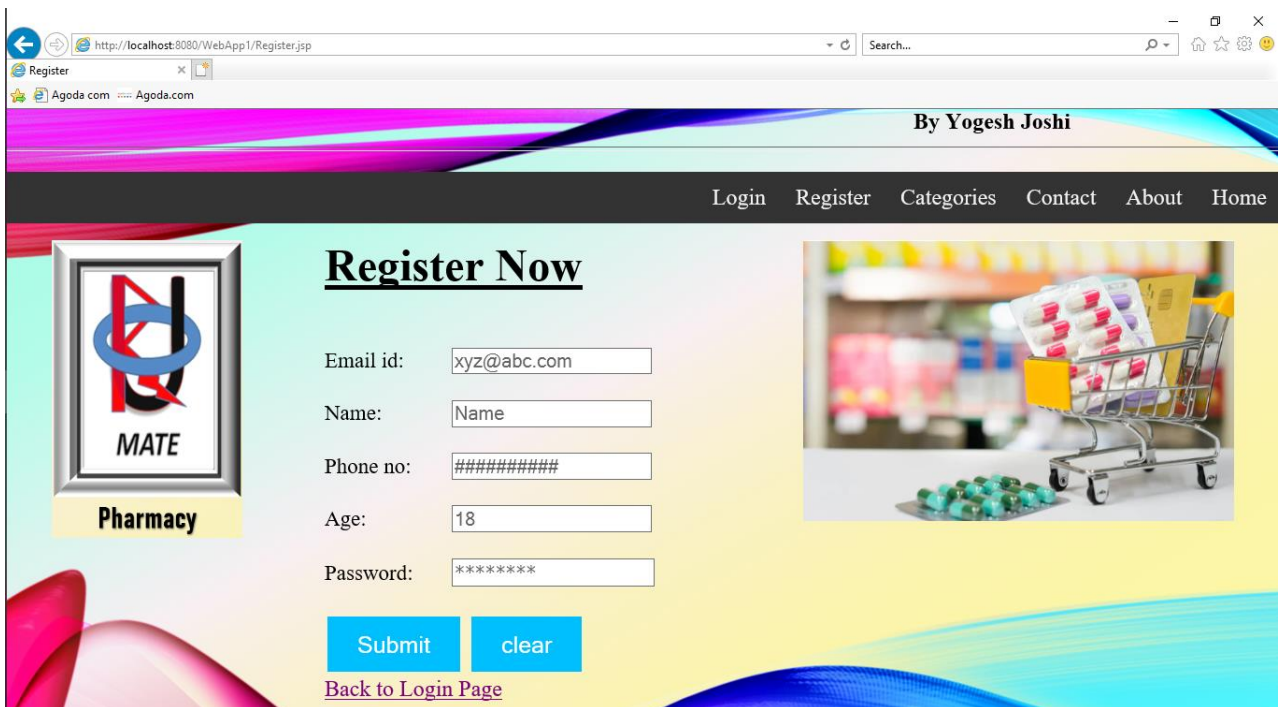
- URMate Web App login page: **Tablet look.**



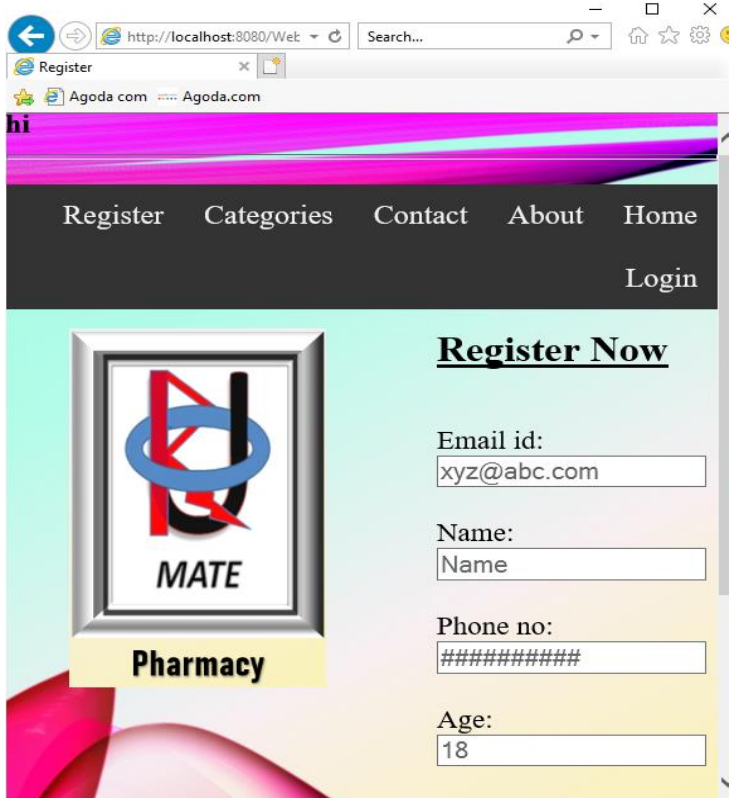
- URMate Web App login page: **Mobile look.**



- URMate Web App Register page **PC look.**



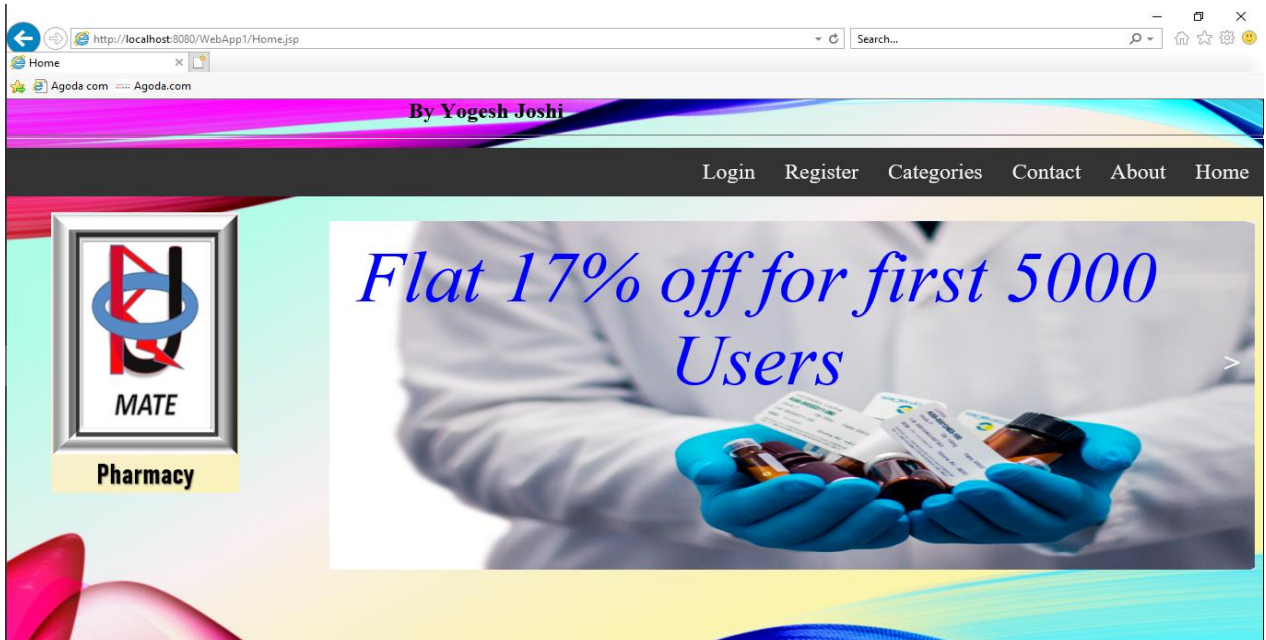
- URMate Web App Register Page **Tablet look.**



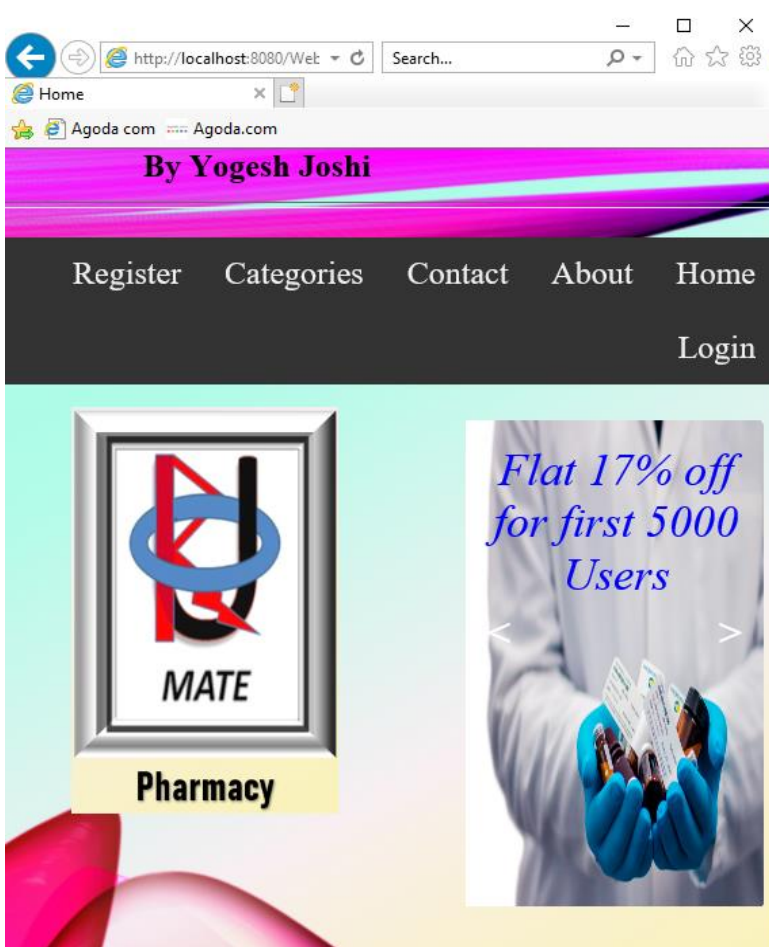
- URMate Web App Register Page **Mobile look.**



- URMate Web App Home Page **PC** look.



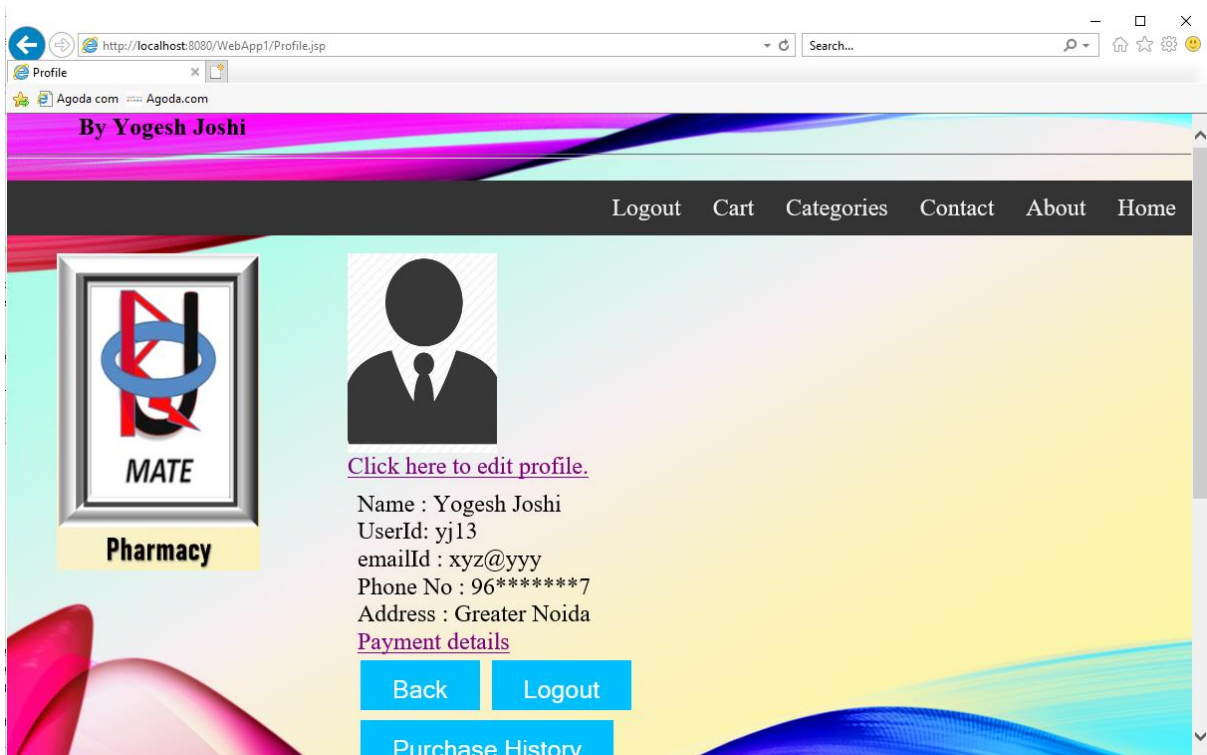
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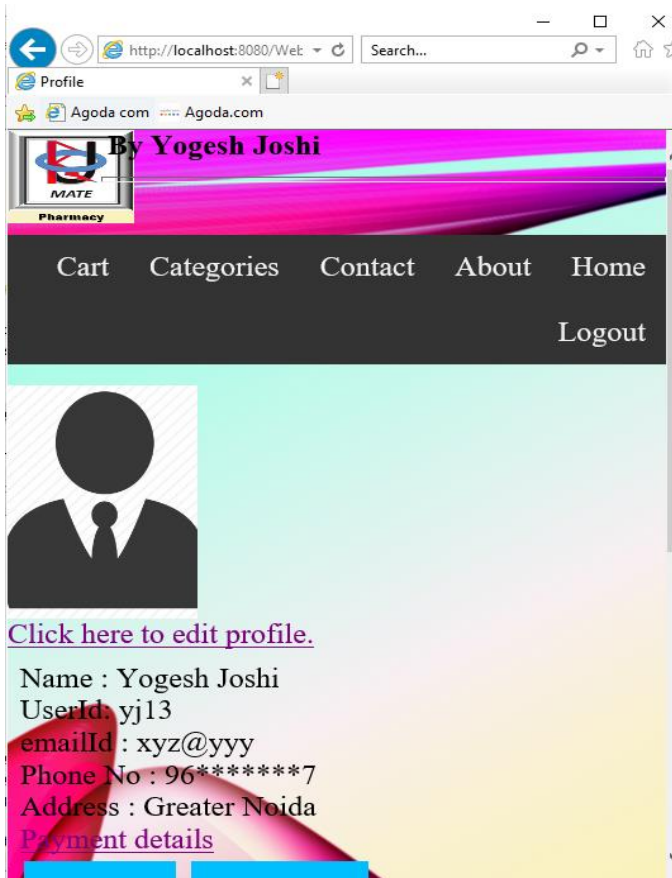
- URMate Web App Home Page **Mobile look.**



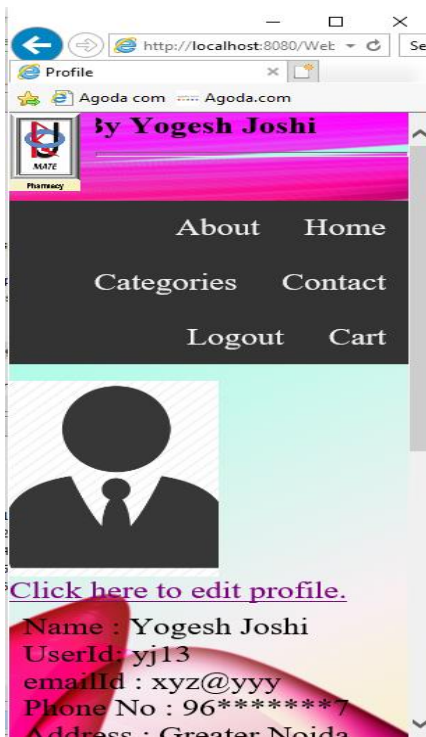
- URMate Web App Profile Page **PC look.**



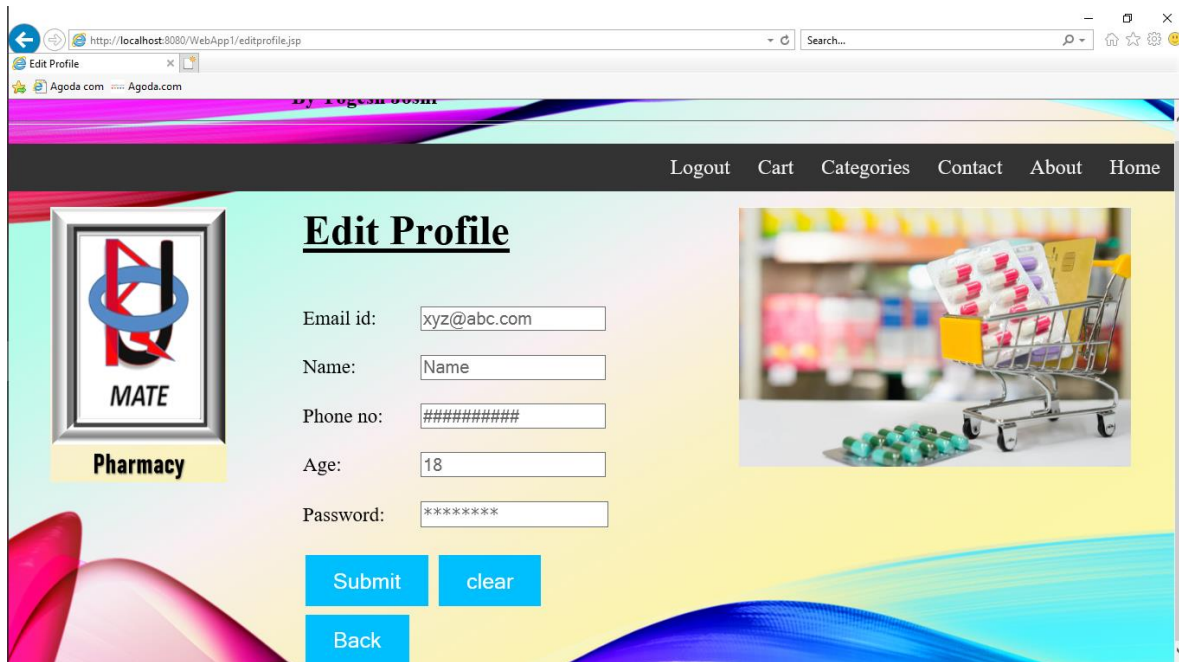
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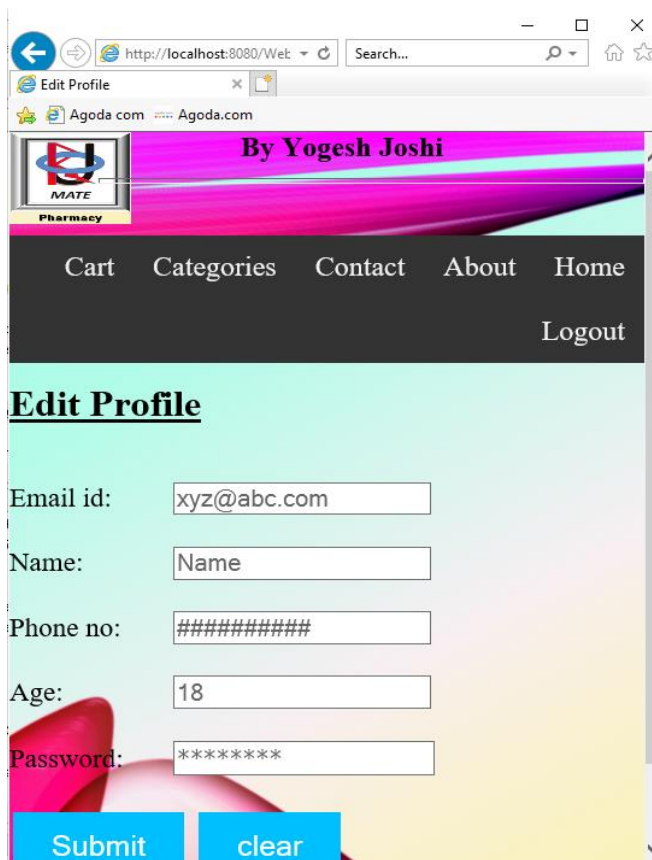
- URMate Web App Profile Page **Mobile look.**



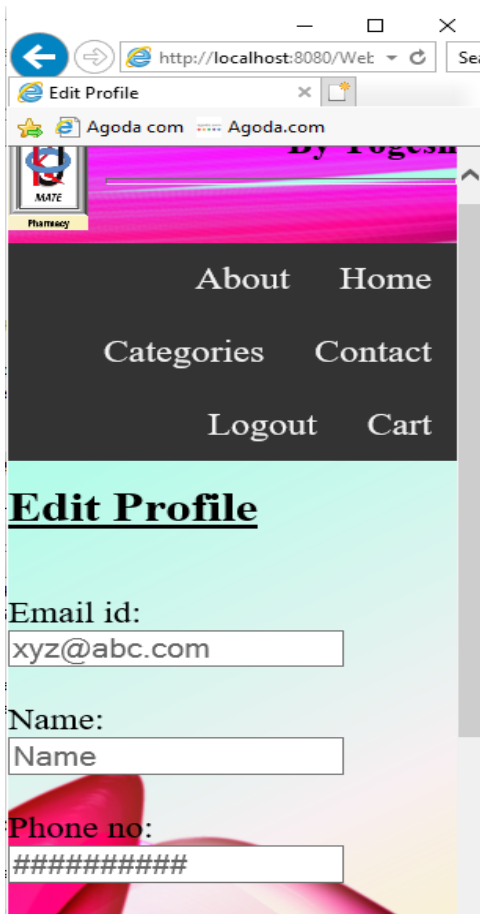
- URMate Web App Edit Profile Page **PC look.**



- URMate Web App Edit Profile Page **Tablet look.**



- URMate Web App Edit Profile Page **Mobile look**.



7. References:

- Chetna Desai, "Online pharmacy: A boon or bane?", Indian J Pharmacol. 2016 Nov-Dec; 48(6): 615–616
- S.V.Chordiya, B.M.Garge, "E pharmacy vs conventional pharmacy", "ip international journal of comprehensive and advanced pharmacology", Oct-Dec 2018
- Ashwin Kumar Chaturvedi*, Umesh Kumar Singh, Amrish Kumar, "ONLINE PHARMACY: An E-Strategy for Medication", IJPF, April-June 2011; 1(1):146-158