

**BRIGHT RIDERS SCHOOL**

**Project Synopsis**

**On**

**Amzio Multipurpose App**



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Class: 12 E BOYS

Subject: Computer Science (083)

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**Objective:-**

Amzio is a multipurpose app that will make your digital experience much and convenient and faster and it is an one click app. Its features consist of basic human need such as Online shopping which has all the categories such as technology, groceries and many more. On top of this we also have a Travel management service, in which it is quite easy for the user to book, modify flights, hotels and rentals. And finally, a restaurant service in which user can order food or book table in the restaurant.

It’s also an app that stores data which is essential for the user for his next visit to the app.

1. **Features of travel management system:-**

USER COMMAND:-

1. Booking flight tickets

* Select to/from destination
* Choose departure date
* Select type of trip
* Price selection

1. Show available flights

* Shows flights matching user’s criteria

ADMIN COMMANDS:-

Ability to add flights, remove flights, adjust prices for inflation, etc.

1. **Features of restaurant management system:-**

USER COMMANDS:-

1. Ability to sign-in/register
2. Shows list of restaurants matching user’s criteria which accounts into factors such as price, location, delivery time, ratings, and cuisines available.
3. Ability to book restaurant seats.

ADMIN COMMANDS:-

Ability to add, remove and modify restaurants as per the requirement.

1. **Features of online shopping:-**

USER COMMANDS:-

1. Ability to select different products available in the three main categories: food, beverages, technology.

* Products available in technology: laptops, televisions, and phones. Different brands available: SungSam, GL TV, Tony, Orange
* Products available in food: fruits, vegetables, and dairy products.
* Products available in beverages: coffee, tea, and juices.

1. Ability to sort products based on user’s preference such as price range, products, brands.

ADMIN COMMANDS:-

Ability to add new products, brands, adjust prices, etc.

**Project Description**

Software requirements:

1. Python 3.9.7 or later
2. MySQL Command Line Client 8.0 or later
3. Linux Ubuntu 16.04 or later
4. Windows 7 or later
5. Mac OS 11 or later

Hardware requirements:

1. Minimum 4GB RAM
2. Minimum 64bit x86 CPU
3. Minimum 1024x768 display resolution

Tables to be used:

1. Travel Management System (7)

* Table to store all flight details: FLIGHT\_DETAILS
* Table to store types of trip: TRIP\_TYPE
* Table to store all departure dates: DEP\_AVAIL\_DATE
* Table to store all arrival dates: DEP\_ARRIVAL\_DATE
* Table to store different price ranges: PRICE\_RANGE
* Table to store user details: USER\_DETAILS
* Table to store admin details: ADMIN\_DETAILS

1. Restaurant Management System (5)

* Table to store user details: USER\_DETAILS
* Table to store admin details: ADMIN\_DETAILS
* Table to store restaurant details: REST\_DETAILS
* Table to store customer criteria: CUST\_CRIT
* Table to store delivery time: DELIV\_TIME

1. Online Shopping System (6)

* Table to store different products: PRODUCT
* Table to store user details: USER\_DETAILS
* Table to store admin details: ADMIN\_DETAILS
* Table to store different prices: PROD\_PRICE
* Table to store different brands: PROD\_BRANDS
* Table to store credit/debit card details: CRED\_DETAILS

Files to be used:

1. File to store main python program: project\_system.py
2. File to store connectivity of different services to python: project\_conn.py
3. File to store backup of MySQL data in text files: backend\_data\_backup.txt
4. File to store code of Graphical User Interface of program: project\_gui.py

Modules to be used:

1. Mysql
2. Tkinter
3. Pyqt5

**CONCLUSION**

Amzio multipurpose app has been developed to help people with real-time service and to give people an alternative from corporate apps that have designed with the intention to make as much money as possible by using an unhealthy number of advertisements placed in it.

The main goal of this project is to make it as accessible as possible so even a person with the least knowledge of technology will be able to use it without much difficulties.

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