MY METRO

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SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF BCA (COMPUTER APPLICATION) DEGREE OF UNIVERSITY OF KERALA

2022

DECLARATION

This is to certify that the project report "**MY METRO**" done by our group is an authentic work carried out for the partial fulfilment of the requirements for the award of Degree of BCA (Computer Application) under the guidance of **Mrs. Gayathri A**, Assistant Professor Dept. of Computer Science and Application, **Naipunnya School of management, Cherthala**. The matter embodied in this project work has not been submitted earlier for award of any degree to the best of knowledge and belif.

We also declare that this report has not been submitted to any other university or institute for the award of any fellowship or degree or diploma.

Place: Cherthala

Date :

ANANYA SHAJI

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CHERTHALA

CERTIFICATE

Certified that this report titled “MY METRO” is a bonafied record of the project work carried out by Ananya Shaji, Ron roy and Harigovind J under my supervision and guidence,towards partial fulfillment of the requirements for the award of the Degree of BSC(Computer Science) of the University of Kerala and no part thereof has ever been submitted for and other similar recognition.

Mrs.Gayathri A	Mr.VINOD CHANDRAN	Fr.BAIJU GEORGE
Project Guide	H.O.D	Principal

Presented for the viva voice examination conducted by the University of Kerala held on ...../...../2021 at Naipunnya School Of Management and verified by:

Internal Examiner External

Place : Cherthala

Date :

ACKNOWLEDEMENT

First of all we thank to the Almighty God for giving us the strength to venture for such an enigmatic logical creation in a jovial way.

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Finally, We express my sincere thanks to all my **friends and families** for their kind presence, support and interest in our project.

ABSTRACT

MT METRO is a web-based application implemented in python using Mysql as the database. MY METRO “is developed to provide the online tickets to the users and the complete information related to the METRO system. In this site administrator is the main user and he maintains and manages the site. Administrator provides an opportunity for the user to know the job vacancies of MY METRO through the Internet. The administrator accepts the booking details from the user and proper booking are approved and a booking number is given to the customer for the tickets. Reports are generated by administrator. In MY METRO the user can view the schedule details. Only the registered users can perform booking and job search function of MY METRO. User can view the new job vacancies and if he/she is qualified to apply for the job send their CV to MY METRO and after proper sort the selected candidates for further interview are informed via email. User can give feedback to complaint department based on station, services or general. The MY METRO is developed using Python and MySQL .

CONTENT

1.INTRODUCTION

1.1 Introduction

The project entitled “MY METRO” this is developed efficiently to use metro as a transporation acorss the state. To manage all operations of metro this project is being developed. it will have the entire basic module to manage the metro operations.This project is developed for every individual through which they can book tickets online ,which makes the transporation more easier and comfortable. provides an opportunity for the user to know the job vacancies of MY METRO through the Internet.

1.2 Objectives

The main objective of the application is to automate the existing system of manually maintained ticket booking system. It is capable to manages all the functions associated with metro. With a single use of this system the user can entirely book and view all the service provided in metro. This system is not only working for a city but also for the whole state.

2.SYSTEM STUDY AND ANALYSIS

2.1 Introduction

System Analysis refers to the process of examining a situation with the intention of improving it through better process and methods. System analysis is therefore ,the process of gathering and interpreting facts, diagnosing problem and using the information to recommend information in system or in other words,it means a detailed explanation or decription.Before computerizing a system under consideration, it has to be analysed. We need to study how it functions currently, what are the problems and what are requirements that proposed software should meet.

The main components of making software are:

- System and software reqirements and analysis.
- Design and implementation of software.
- Ensuring, Verifying and maintaining software integrity.

2.2 Existing system

Present system is manual. In Cochin the customer must visit the metro station for tickets and services. The existing system is time wasting process and it is not much useful to the user. In short, there is no such online system exist for Cochin metro rail.Which is much of time consuming process and more importantly it is error prone.

- Limitations of manual systems.
- Wastage of time for booking tickets.
- The processing of data was slow.
- Searching for trains is very difficult.

Hence Computerization of the system is proposed. The new system completely removes all manual burdens and provide efficient on the entry system.

2.3 Proposed system

Proposed system is fully computerized one. MY METRO is developed in Python, which allows development of database application. It is totally a user friendly system and in which the data flows are in a user, administrator choice manner. Therefore all of them have many benefits.

The objective of new system is to make the user quick and direct access of MY METRO services.ie the services provided by the MY METRO such as those who searching for a job will able to get the job vacancy details very easily.The daily users of MY METRO have the facility of booking season ticket

Advantage of Proposed system

- Online ticket booking.
- Gives the train schedule and station details.
- Helps to recruit employees.
- Complaint registration.

2.4 Feasibility study

Feasibility analysis is the procedure for identifying the candidate system, evaluating and electing the most feasible system. This is done by investigating the existing system in the are under investigation or generally ideas about a new system. It is a test of a system proposal according to its workability, impact on the organisation, ability to meet users' needs, and effective use of resources. The objective of feasibility study is not to solve the problem but to acquire a sense of its scope.

Feasibility analysis involves 8 steps:

- Form a project team and appoint a project leader.
- Prepare system flow charts.
- Enumerate potential candidate system.
- Describe and identify characteristics of candidate systems.
- Determine and evaluate performance and cost effectiveness of each candidate system.
- Weigh system performance and cost data.
- Select the best candidate system.
- Repair and report final project directive to management.

Three key considerations are involves in the feasibility analysis: economic, technical and behavioural.

2.4.1 Technical Feasibility

The assessments of technical feasibility canters on the existing system and to what extent it can support the proposed addition. This was based on an outline design of system requirements in turns of inputs, files, programs, ,procedures, and staff. It involves financial considerations to accommodate technical enhancement.

2.4.2 Economic Feasibility

Economic analysis is the most frequently used method for evaluating the effectiveness of a candidate system. It is more commonly known as cost benefit analysis, the procedure to determine the benefits and savings that are expected from a candidate system and compare them with costs. If the benefits outweigh costs then a decision is made to design and implement the system. Otherwise make alterations in the proposed system.

2.4.3 Behavioural Feasibility

People are inherently resistant to change, and computers have been known to facilitate change an estimate should be made about the reaction of the user staff towards the development of a computerized system. Computer installations have something to do with turnover, transfers and changes in job status. The introduction of a candidate system requires special effort to educate, sell and train the staff for conducting the business.

The candidate system was found to be technically, economically, and behaviourally feasible.

The system was developed user friendly, needless training and improves the working environment. Justification for any capital outlay is that it will increase profit, reduce expenditure or improve the quality of service or goods, which in turn may be expected to provide increased profits. Disregarding the initial expenses, the candidate system was assessed to be feasible in all ways.

3. SYSTEM SPECIFICATION

3.1 Introduction

System specification specifies the hardware and software configuration of the new proposed system. To develop application software, we use different type of new proposed system. The software for the development has been selected based on several factors such as

- Support and stability.
- Cost of effectiveness.
- Development speed.
- Ability or create robust application least time.

The system requirements of the project includes

- Hardware specification.
- Software specification.

3.2 Hardware requirement

- Processor : Intel Pentium or more
- Hard Disk : 20 GB hard disk
- Ram : Minimum 256 ram Reccomended for data processing

3.3 Software Requirements

- Front End : HTML, CSS, Javascript, Bootstrap
- Back End : Mysql 5.1 or above

- Technology : Python
- Platform : Windows/Linux
- Webserver : Apache2
- Tools : notepad++, Google chrome, Webbrowser

3.4 About the software

3.4.1 Front end description

HTML

Hyper Text Markup Language is the main markup language for creating web pages and other information that can be displayed in a web browser. HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets(like <html>), within the web page content. HTML tags represent empty elements and so unpaired, for example <img>. The firs tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). In between these tags web designers ca add text, further tags, comments and other types of text-based content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behaviour of HTML web pages.

CSS

Cascading style sheets(CSS) is a style sheet language used for describing the look and formatting of a document written in markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This seperation can improve content accessibility, provide more flexibility and control in the specification. Of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content(such as by allowing for table less web design). CSS can also allow the same markup page to be presented in different styles for rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However if the author or reader did not link the document to a specific style sheet the default style rules apply if more than one rule matches against a particular element. In this so-called cascade, priorities or weights are calculated and assigned to rules, so that the results are predictable.

JAVA SCRIPT

JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementation allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class funtions. Its syntax was influenced by C. JavaScript copies many naming conventions from java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are undertaken from the self and scheme programming languages. It is a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles. The application of JavaScript to use outside of webpages for example, in PDF documents, site-specific browsers, and desktop widgets- is also significant. Newer and faster JavaScript VMs and platforms built upon them (notably Node.js) have also increased the popularity of JavaScript for server-side web applications. On the client side, JavaScript was traditionally implemented as an interpreted language but just-in-time compilation is now performed by recent (post-2012) browsers.

BOOTSTRAP

Bootstrap is a powerful toolkit- a collection of HTML, CSS, and a collection of HTML, CSS, and JavaScript tools for creating and building web pages and web applications. It is a free and open source project, hosted on GitHub, and originally created by (and for) Twitter. If by now you still don’t know what Bootstrap is, or you just want to get a better overview of what it is and what it does best, you’ve come to the right place.

3.4.2 Technology

PYTHON

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

Often, programmers fall in love with Python because of the increased productivity it provides. Since there is no compilation step, the edit-test-debug cycle is incredibly fast. Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. When the program doesn't catch the exception, the interpreter prints a stack trace. A source level debugger allows inspection of local and global variables, evaluation of arbitrary expressions, setting breakpoints, stepping through the code a line at a time, and so on. The debugger is written in Python itself, testifying to Python's introspective power. On the other hand, often the quickest way to debug a program is to add a few print statements to the source: the fast edit-test-debug cycle makes this simple approach very effective.

3.4.3 Backend

MySQL (PhpMyAdmin)

PhpMyAdmin: It is a free and open source administration tool for MySQL and Maria DB as a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services.

MySQL: It is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation.For proprietary use, several paid editions are available, and offer additional functionality.

MySQL is a central component of the LAMP open-source web application software tack (and other "AMP" stacks). LAMP is an acronym for "Linux,Apache, MySQL, Perl/PHP/Python". Applications that use the MySQL database include: TYP03, MODx, Joomla, WordPress, Simple Machines Forum, phpBB, MyBB, and Drupal. MySQL is also used in many high-profile, large-scale websites, including Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

4. SYSTEM DESIGN

4.1 Introduction

Design is the first in the development phase for any engineered product or system. System design is a process of evaluating alternate solution, evaluating the choice following up the specification for the chosen alternative. System design work logically follows system analysis. The objective of the system design is to improve the existing system or design a new system and implement the system with improved facilities.

4.1.1 Input Design

Input design is the process of converting user-designated input to a computerized format. Input data are collected and organized into group of similar data. Data are entered through the keyboard and also the user can use mouse for selecting the options. Error entered by the user can be controlled by the input design, The goal of designing the input data is to make data entry easy, logical and free from errors as much as possible. Input design consists of developing specifications and procedures for the data preparation, those steps necessary to put transaction data into a usable form for processing and data entry.

4.1.2 Output Design

Designing output should proceed in an organized manner. The right output must develop while ensuring that each output element is designed so that people will find the system easy to use effectively. When analyst design computer outputs should

•Identify the specific output that is needed to meet the requirements.

•Select methods for presenting information.

•Create document ,report or order that information produced by the system.

4.2 Data flow diagram

A Data Flow Diagram is a network that describes the flow of data throughout a system, data stores and the processes that change transform data flows, The DFD network is a formal, logical abstract of a system that may have many possible physical configurations. For this reason, a set of symbols that do not imply a physical form is used to represent data source, data flows, data transformations and data storage. There are four commonly encountered data now diagram symbols. They are-Square, circle, an open ended rectangle and a directed line. The circle or bubble represents a transformation process and the label inside the bubble describes the process, using an active verb to do so. Data (lows are directed lines that identity the input data flows and output data flows at each process bubble. Data storage is represented by an open-ended rectangle With a label that identities the data store. or file. The square is labelled to identify an external entity that is a source or destination of a data now.

4.2.1 Basic DFD Symbols

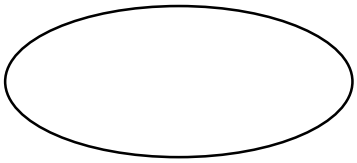
1. Arrow

A data flow is a route, which enables packets travel form one point to another. Data may flow from a source to a processor and from data store or process. An arrow line depicts the now, with arrow head pointing in the direction of the now.

2. Rectangle

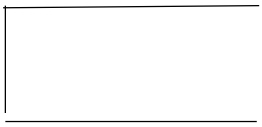
A process represents transformation where incoming data flows are changed into outgoing data flows

3. Ellipse



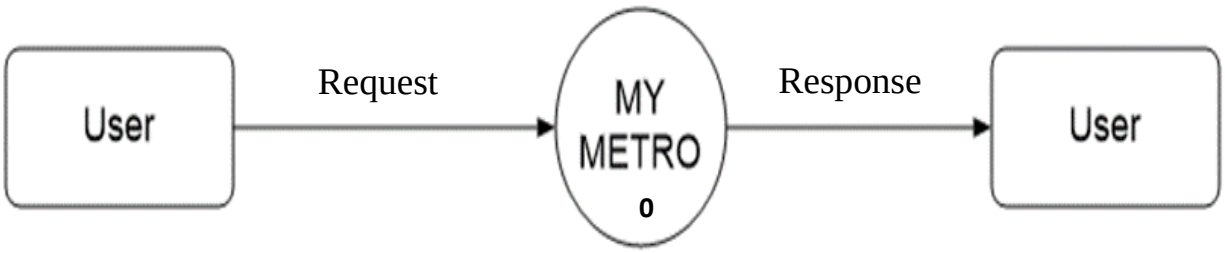
A data store is a repository of data that is to be stored for use by a one or more process may be as simple as buffer or queue or sophisticated as relational database. They should have clear names. If a process merely uses the content of store and docs sot alter it, the arrowhead goes only from the store to the process if a process alters the details in the store then a double-headed arrow is used.

4. Side Open Rectangle

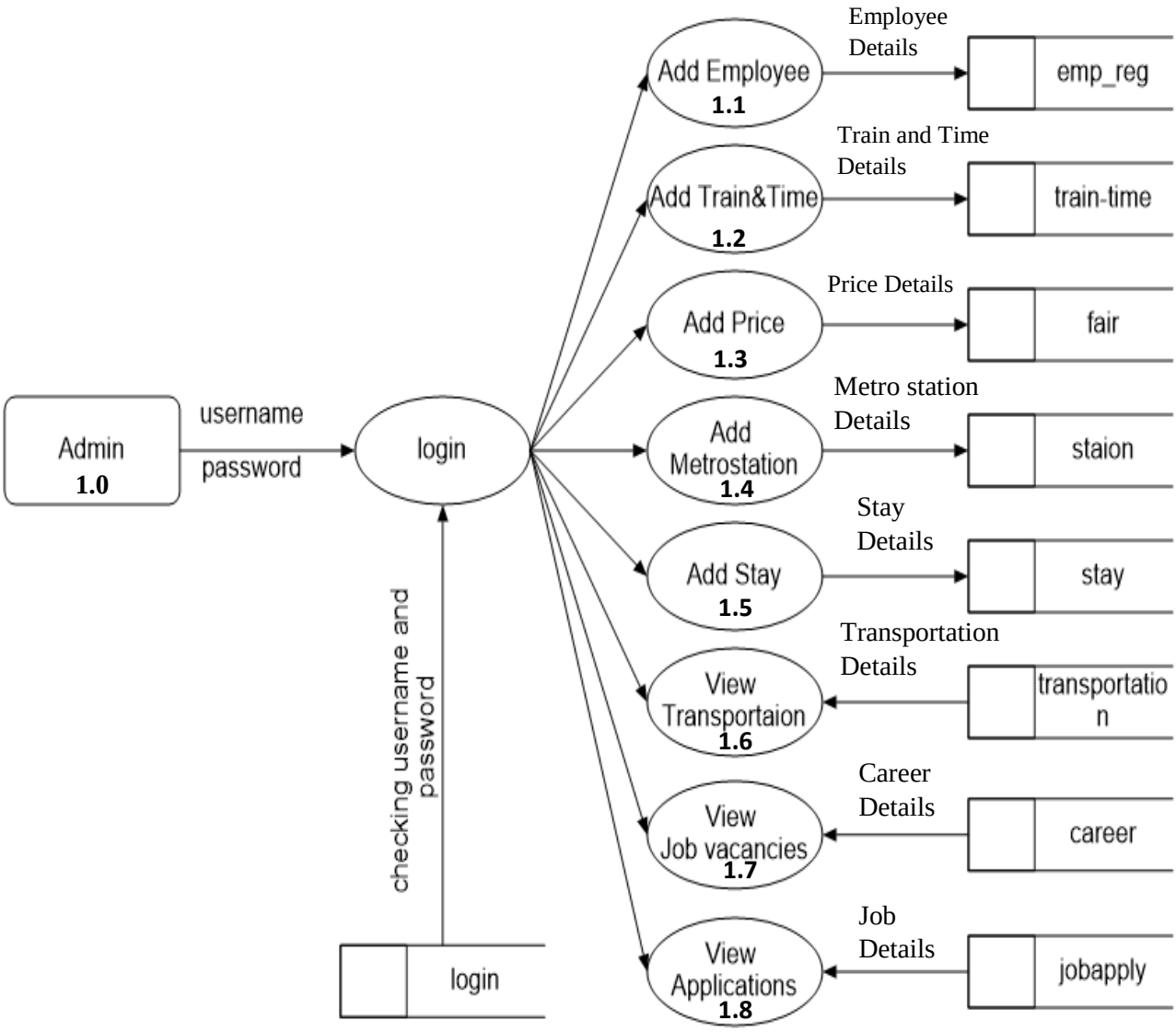


A source or sink is a person or part of an organization which enter or Receives information from the system but is considered to be the contest of dataflow model.

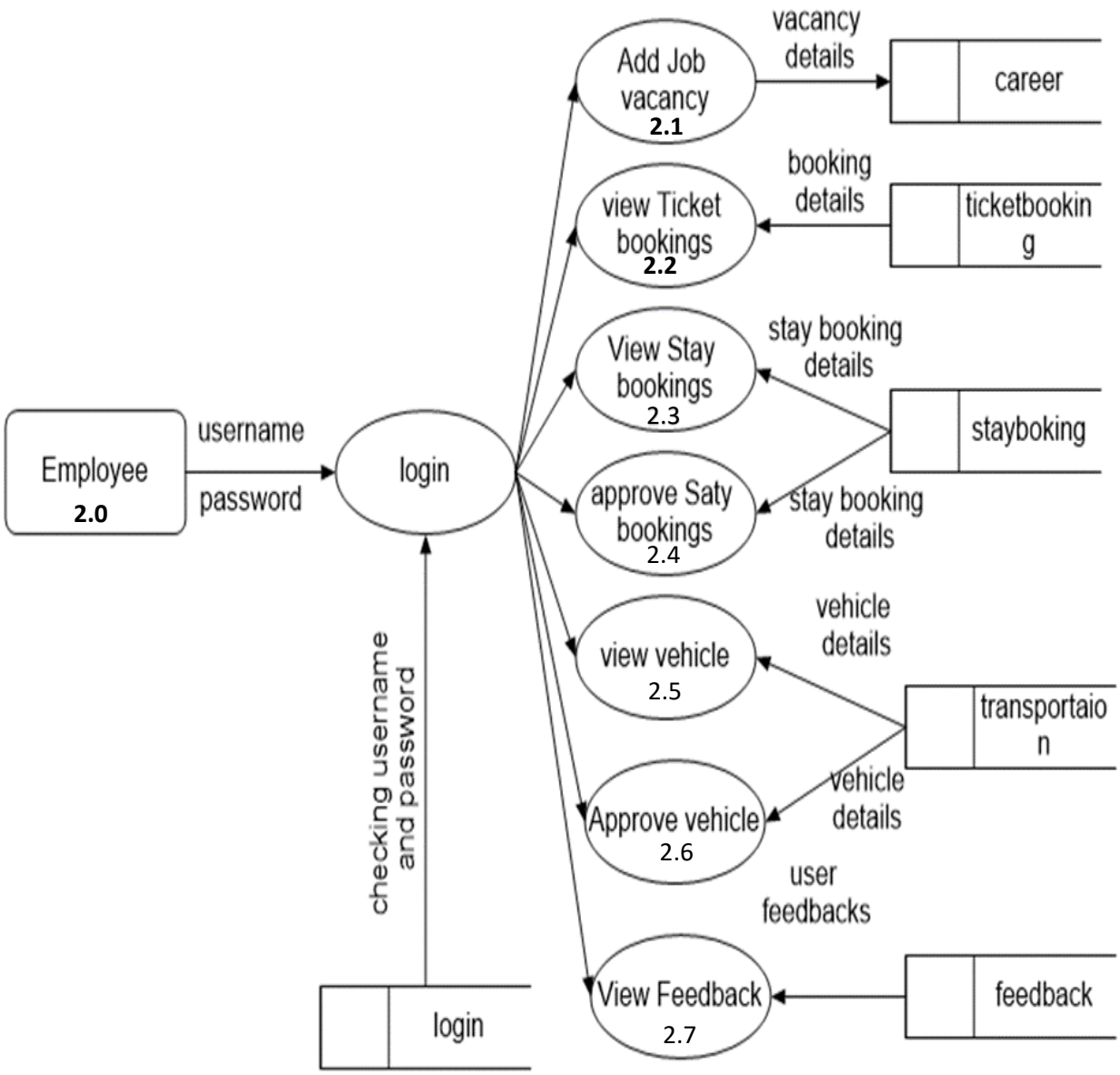
LEVEL 0



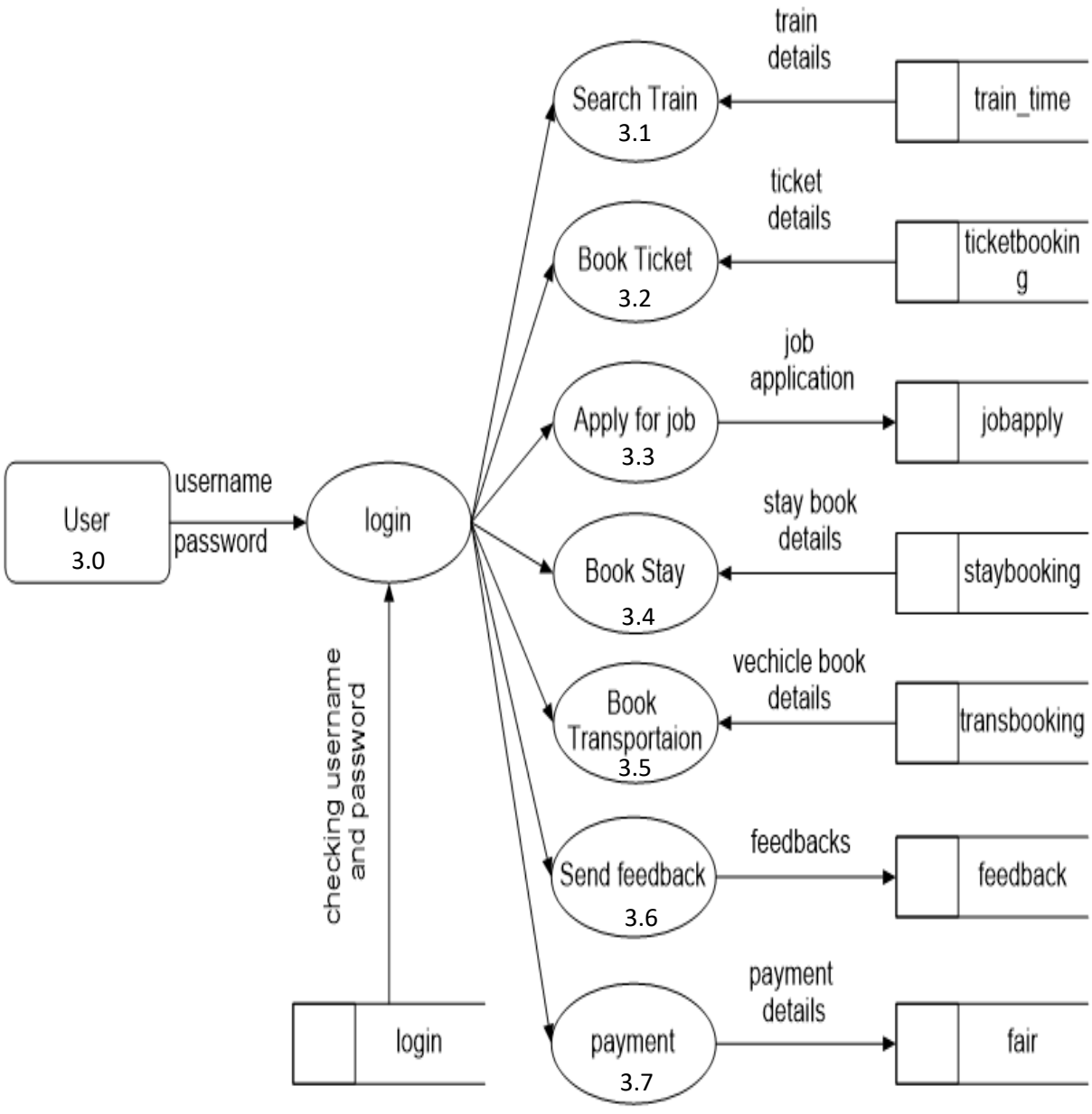
LEVEL 1: Admin



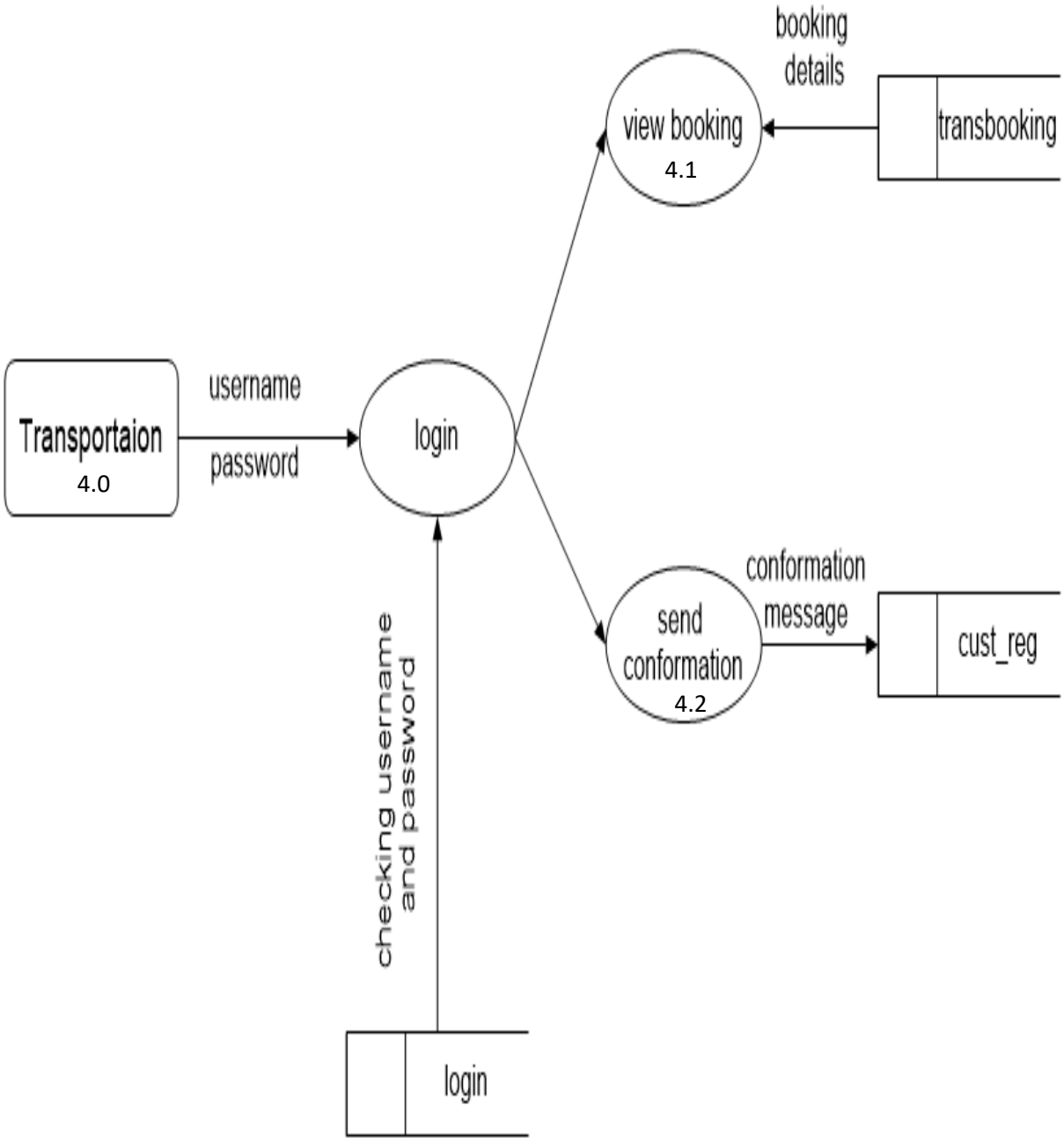
LEVEL 1: Employee



LEVEL 1: User


User
3.0
username
password
login
checking username and password
login
Search Train
3.1
train details
train_time
Book Ticket
3.2
ticket details
ticketbookin g
Apply for job
3.3
job application
jobapply
Book Stay
3.4
stay book details
staybooking
Book Transportaion
3.5
vechicle book details
transbooking
Send feedback
3.6
feedbacks
feedback
payment
3.7
payment details
fair

LEVEL 1: Transportaion



4.3 Database design

A data base is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objectives is to make information access easy quick, inexpensive and flexible for the users. The general theme behind a data is to integrate all information. Database design is recognized as a standard of management information system and is available virtually for every computer system. In database design several specific objectives are considered:

- Ease of learning and use
- Controlled redundancy
- Data independence
- More information at low cost
- Accuracy and integrity
- Recovery from failure
- Privacy and security
- Performance

A database is an integrated collection of data and provides centralized access to the data. Usually the centralized data managing the software is called RDBMS. The main significant difference between RDBMS and Other DBMS is the separation of data as seen by the program and data has in direct access to stores device. This is the difference between logical and physical data.

A data field is an area that hold one or more characters that together represents a specific data element. A data record consist of group of related data fields. A data field is a compilation of related data records maintained in some prearranged order. A database usually consist of several related integrated data files. The redundant data, which may exist In the logical data structure along with the unique key, needed to access data items are identified using a technique called normalization.

Relationships are established between the data items and necessary data items are removed. Normalization is done to get an internal consistency of data. and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing changes of data inconsistencies and optimizing for updates.

4.3.1 TABLE DESCRIPTION

- *login*

Primary key : lid

FIELD	TYPE	CONSTRAINTS
lid	int	Primary key
uid	varchar	Auto increment,not null
username	varchar	Not null
password	varchar	Not null
usertype	varchar	Not null

- *train_time*

Primary key : bid

FIELD	TYPE	CONSTRAINTS
b_id	Int	Primary key
uid	Varchar	Foreign key
fromstation	Varchar	Not null
tostation	Varchar	Not null
price	Varchar	Not null
tdate	Varchar	Not null
ttime	Varchar	Not null

- *cust_reg*

Primary key : email

FIELD	TYPE	CONSTRAINTS
email	varchar	Primary key
name	Varchar	Not null
address	Varchar	Not null
phone	Varchar	Not null
acno	Varchar	Not null
ifsc	Varchar	Not null
cvv	Varchar	Not null
balance	Varchar	Not null
uimg	longblob	----------

- *emp_reg*

Primary key : empid

FIELD	TYPE	CONSTRAINTS
empid	int	Primary key
empname	varchar	Not null
empaddress	varchar	Not null
empemail	varchar	Not null
empphone	varchar	Not null

- *jobapply*

Primary key : aid

FIELD	TYPE	CONSTRAINTS
aid	int	Primary key
uid	varchar	Foreign key
jobid	varchar	Not null

- *career*

Primary key : jobid

FIELD	TYPE	CONSTRAINTS
Jobid	int	Primary key
Designation	varchar	Not null
salary	varchar	Not null
qualification	varchar	Not null

- *fair*

Primary key : pid

FIELD	TYPE	CONSTRAINTS
Pid	Int	Primary key
fromstation	varchar	Notnull
tostation	varchar	notnull
price	varchar	notnull

- *feedback*

Primary key : feedid

FIELD	TYPE	SIZE
feedid	int	Primary key
Feedback	varchar	Not null
uid	varchar	Foreign key

- *staybooking*

Primary key : sb_id

FIELD	TYPE	CONSTRAINTS
sb_id	int	Primary key
uid	varchar	Foreign key
stay_id	varchar	Foreign key
bdate	varchar	Not null
btime	varchar	Not null
sbstatus	varchar	Not null

➢ *stay*

Primary key : stayid

FIELD	TYPE	CONSTRAINTS
stayid	int	Primary key
sname	varchar	Not null
food	varchar	Not null
Perday-price	varchar	Not null
himage	Long blob	Not null
availability	varchar	Not null

- *station*

Primary key : metroid

FIELD	TYPE	CONSTRAINTS
Metroid	int	Primary key
Metrostation-name	varchar	Notnull

- *transbooking*

Primary key : tid

FIELD	TYPE	CONSTRAINTS
tid	Int	Primary key
uid	Varchar	Foreign key
fromlocation	Varchar	Not null
Tolocation	varchar	Not null

- *ticketbooking*

Primary key : book_id

FIELD	TYPE	CONSTRAINTS
book_id	Int	Primary key
uid	Varchar	Foreign key
fromstation	Varchar	Not null
tostation	Varchar	Not null
price	Varchar	Not null
tdate	Varchar	Not null
ttime	Varchar	Not null
bstatus	Varchar	Not null
qrcode	varchar	Not null

- *transportaion*

Primary key : vehid

FIELD	TYPE	CONSTRAINTS
vehid	Int	Primary key
Name	varchar	Not null
Address	varchar	Not null
email	varchar	Not null
phone	varchar	Not null
dimage	longblob	Not null
vimage	longblob	Not null
licenseimg	longblob	Not null
rcbimg	longblob	Not null
vstatus	varchar	Not null

5. SYSTEM DEVELOPMENT

5.1 Introduction

To understand system development, we need to recognize that a candidate system has a life cycle just like a living system or a new product. One must know what the problem is before it can be solved. The basic for the candidate system is recognition of a need for improving an information system or a procedure. For example, the admin may want to investigate the system flow in purchasing or a bank president has been getting complaints about the long lines in a drive in. This leads to a preliminary survey or an initial investigation to determine whether an alternate system can solve the problem. If the problem is serious enough, management may want an analyst to look at it. Such an assignment implies commitment, especially, if the analyst is hired from outside. A software analysis is to find out in detail what the user-requires of the system that the project is to implement.

5.2 MODULE DESCRIPTION

ADMIN : Admin is the one who has overall control on the system and also manages the details of the train and train time .Admin can manage the details of employer

Employee: Employee can view the bookings and approve the bookings and can add job vacancies and view the applications of eligible candidates

USER: User can easily book their metro tickets,book stay facility,transporation and the user can apply for the job vacancies provided by the employee

TRANSPORTATION VEHICLE: The driver/owner of the vechicle must register firstly and he/she can view the bookings using tis system and send a confirmation messager can apply for the job vacancies provided by the employee

5.2.1 MODULE BASED ON USER

- Admin
- Employee
- User
- Transportaion

6. SYSTEM TESTING

6.1 Introduction

Testing is a process of executing a program with the interest of finding an error. A good test is one that has a high probability of finding the yet undiscovered error. Testing should systematically uncover different classes of errors in a minimum amount of time with minimum amount of effort.

Two classes of inputs are provided to the test process:

- A software configuration that includes a software requirement specification, a design specification and source code.
- A test configuration that includes a test plan and procedure, any testing tools that are to be used and test cases and their expected results,

Testing is divided into three distinct operations: modular testing, integration testing and system testing. In the series of testing, the following steps are implemented.

6.1.1 Unit Testing:

Unit testing focuses on the different modules of the system individually, considering that the functions will be coordinated as a unit. In this module interface is tested to assure that information properly and correctly flows into and out of the module. This testing involves the testing of data truncation, the structure of the data, and whether the program correctly accepts the input data. The whole validation of the program is encountered in this testing. The data structure is examined to assure that the data stored temporarily maintain their integrity during all stages of the module. The test data is created to check the function of each module and also to check if the independent paths of the control structured has been followed properly. The data is checked whether it arrives at each destination. This involves following different factors:

- The input parameters are checked with the total number of fields in the data base and whether the type matches equally.
- The constraint check in the data base has been efficiently done and the inconsistencies are solved.

The reports generated are tested for all relevant fields' entries and tested for clarity and legibility. The appropriate report is generated at the user's request. In this project consider registration of new user. First we have to enter his/her name, address, contact number, user name and password. This module run independently there is no syntax and logic error.

6.1.2 Integration Testing:

Through each program works individually, they should work after linking them together. This is also refered to as interfacing. Database may be lost across an interface, one module can adverse effect on other subroutines after linking may not do the desired function expected by the main routine. Integration testing is systematic technique for constructing program structure while the same time, conducting test to uncover errors associated with interface. In testing the programs where constructed and tested in small segments. Thus the errors are easier to isolate. In integration testing all the modules that had completed unit test, is combined using hyperlink and tested for whole. In travel and holiday scheduler all the modules like Administrator Module, User Module and Company Module are combined.

6.1.3 Validation Testing:

At the culmination of the integration testing, the software was completely assembled as package, interfacing errors have been uncovered and a final series of software validation testing began. Here we test the system functions in manner that can be reasonably expected by customer, the system has tested against system requirement specification. Different unusual inputs that the user may use were assumed and the outputs were verified for such unprecedented inputs. Deviation or errors discovered at this step are corrected to the completion of this project with the help of user by negotiating to establish a method for resolving deficiencies. Thus the proposed system under consideration has been tested by using validation testing and found to be working satisfactory. In this project all the forms are validated for example consider login form, we put required field validators to avoid null value .1n user registration form we put Regular expression validator to avoid incorrect input of email address contact number etc.

7. SYSTEM IMPLEMENTATION

7.1 Introduction

Implementation is the stage of the project when the theoretical design is into working system. At this stage a main work load, the greatest and the major impact on existing practices shifts to the user department. If the implementation stage is not carefully planned and controlled. it can cause chaos. Thus it is the most crucial stage in achieving a successful new system and giving the user confidence that the new system will work and be effective. Thus coding process perform this task coding is viewed as natural consequences of design. The implementation plan includes a description of all the activities that must occur to implement the new system and to put it into operation. It identifies the personal responsible for the activities and prepares a time chart for implementing the system. Implementation is primarily concerned with user training may be required. Implementation simply means converting a new system design into operation.

The three types of implementation are:

- Implementation of a new computer system to replace an existing one.
- Implementation of a modified application to replace an existing system.
- Implementation of a computer system to replace a manual.

The implementation plan consists of the list all files required for implementation, Identify all data required to build new files during implementation etc.

8. APPENDIX

8.1 Codes

- **Login.html**

```
{% extends 'CommonPage.html' %}



{% block body %}



<div class="form-body form-body-info">
    <form   method="post">
        {% csrf_token %}
      <div class="form-group has-feedback">
        <input type="email" class="form-control" name="email" placeholder="Enter Your Email" data-error="Bruh, that email address is invalid" required="">
        <span class="glyphicon form-control-feedback" aria-hidden="true"></span>
      </div>
      <div class="form-group">
        <input type="password" data-toggle="validator" data-minlength="6" class="form-control" id="inputPassword1" name="password" placeholder="Password" required="">
      </div>
      <div class="bottom">
        <div class="form-group">
```

```
                <div class="checkbox">
                    <label>
                        <input type="checkbox" id="terms1" data-error="Before you wreck yourself" required="">
                        Remember me
                    </label>
                    <div class="help-block with-errors"></div>
                </div>
            </div>
            <div class="form-group">
                <button type="submit" class="btn btn-primary" name="submit">Login</button>
            </div>
            {% if msg %}
<script>
alert("{{msg}}")
</script>
{% endif %}
            {% endblock %}
```

- **AdminPage.html**

```
<!DOCTYPE html>
<html lang="zxx">

<head>
```

```
<title>My Metro</title>
<!-- Meta tag Keywords -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="UTF-8" />
<meta name="keywords" content="Skin Beauty Responsive web template, Bootstrap Web Templates, Flat Web Templates, Android Compatible web template, Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />
<script>
    addEventListener("load", function () {
        setTimeout(hideURLbar, 0);
    }, false);

    function hideURLbar() {
        window.scrollTo(0, 1);
    }
</script>
<!-- //Meta tag Keywords -->

<!-- Custom-Files -->
<link rel="stylesheet" href="../static/Project/css/bootstrap.css">
<!-- Bootstrap-Core-CSS -->
<link rel="stylesheet" href="../static/Project/css/style.css" type="text/css" media="all" />
<!-- Style-CSS -->
```

```
		<link href="../static/Project/css/font-awesome.min.css"
rel="stylesheet">
		<!-- Font-Awesome-Icons-CSS -->
		<!-- //Custom-Files -->

		<!-- Web-Fonts -->
		<link
href="//fonts.googleapis.com/css?family=Nunito+Sans:200,200i,300,300i,400,
400i,600,600i,700,700i,800,800i,900,900i&amp;subset=latin-ext,vietnamese"
		 rel="stylesheet">
		<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:300,300i,400,40
0i,700,700i&amp;subset=cyrillic,cyrillic-ext,greek,greek-ext,latin-
ext,vietnamese"
		 rel="stylesheet">
		<!-- //Web-Fonts -->
</head>

<body>
		<!-- main banner -->
		<div class="main-top" id="home">

			<!-- header -->
			<header>
				<div class="container-fluid">
					<div class="header d-md-flex justify-content-
between align-items-center py-3 px-xl-5 px-lg-3 px-2">
```

```
<!-- logo -->
<div id="logo">
    <h1><a class="" href="index.html">My Metro</a></h1>
</div>
<!-- //logo -->
<!-- nav -->
<div class="nav_w3ls">
    <nav>

        <ul class="menu">
            <li><a href="/AdminHome" >Home</a></li>
            <li class="mx-lg-4 mx-md-3 my-md-0 my-2">
                <!-- First Tier Drop Down -->
                <label for="drop-2" class="toggle toogle-2">Dropdown <span class="fa fa-angle-down" aria-hidden="true"></span>
                </label>
                <a href="#">Add <span class="fa fa-angle-down" aria-hidden="true"></span></a>
                <ul>

                    <li><a href="/AdminAddEmployee"  class="drop-text">Employee</a></li>
```

Station

Stay

Timing

Fair

<li class="mx-lg-4 mx-md-3 my-md-0 my-2">

<!-- First Tier Drop Down -->

<label for="drop-2" class="toggle toogle-2">Dropdown

</label>

View

Customer

```
                <li><a href="/AdminViewJob"   class="drop-
text">Career</a></li>

                <li><a href="/AdminViewTransportation"  class="drop-
text">Transportation</a></li>

                <li><a href="/AdminViewFeedback" class="drop-
text">Feedback</a></li>
                                                                    </ul>
                                                                </li>



                                                                <li><a
href="/">Logout</a></li>
                                                            </ul>
                                                        </nav>
                                                    </div>
                                                    <!-- //nav -->
                                                </div>
                                            </div>
                                        </header>
                                        <!-- //header -->

                                        <!-- banner -->
                                        <div class="banner_w3lspvt-2">
```

```
            </div>
            <!-- //banner -->
        </div>
        <!-- //main banner -->
        <!-- page details -->


        <!-- //page details -->


        <!-- gallery -->
        <div class="gallery py-5" id="gallery">
            <div class="container py-lg-5">


                                {% block body %}
                                {% endblock %}


</div>
            </div>
            <!-- popup-->
            <div id="gal1" class="popup-effect animate">
                <div class="popup">
```

```
                        <img src="../static/Project/images/g1.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- popup-->
                <div id="gal2" class="popup-effect animate">
                    <div class="popup">
                        <img src="../static/Project/images/g2.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- popup-->
                <div id="gal3" class="popup-effect animate">
                    <div class="popup">
                        <img src="../static/Project/images/g3.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
```

```
            </div>
        </div>
        <!-- //popup3 -->
        <!-- popup-->
        <div id="gal4" class="popup-effect animate">
            <div class="popup">
                <img src="../static/Project/images/g4.jpg"
alt="Popup Image" class="img-fluid" />
                <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                <a class="close" href="#gallery">&times;</a>
            </div>
        </div>
        <!-- //popup -->
        <!-- popup-->
        <div id="gal5" class="popup-effect animate">
            <div class="popup">
                <img src="../static/Project/images/g5.jpg"
alt="Popup Image" class="img-fluid" />
                <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                <a class="close" href="#gallery">&times;</a>
            </div>
        </div>
        <!-- //popup -->
        <!-- popup-->
```

```
<div id="gal6" class="popup-effect animate">
    <div class="popup">
        <img src="../static/Project/images/g6.jpg"
alt="Popup Image" class="img-fluid" />
        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
        <a class="close" href="#gallery">&times;</a>
    </div>
</div>
<!-- //popup -->
<!-- popup-->
<div id="gal7" class="popup-effect animate">
    <div class="popup">
        <img src="../static/Project/images/g7.jpg"
alt="Popup Image" class="img-fluid" />
        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
        <a class="close" href="#gallery">&times;</a>
    </div>
</div>
<!-- //popup -->
<!-- popup-->
<div id="gal8" class="popup-effect animate">
    <div class="popup">
        <img src="../static/Project/images/g8.jpg"
alt="Popup Image" class="img-fluid" />
```

```
                        <p class="mt-4">Nulla viverra pharetra se, eget pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- popup-->
                <div id="gal9" class="popup-effect animate">
                    <div class="popup">
                        <img src="../static/Project/images/g9.jpg" alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- //gallery -->

                <!-- footer -->
                <footer class="footer-w3ls py-5">
                    <div class="container py-sm-4">
                        <div class="row">
                            <div class="col-lg-3 col-sm-6 agileinfo_footer_grid">
                                <!-- logo -->
```

```
<div class="logo-2 mb-sm-4 mb-3">
<h2><a href="index.html">My Metro</a></h2>
</div>
<!-- //logo -->
<p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
</div>
<div class="col-lg-3 col-sm-6 agileinfo_footer_grid mt-sm-0 mt-5">
<h4 class="mb-sm-5 mb-4">Recent Articles</h4>
<ul class="list-unstyled">
<li>
<span class="fa fa-angle-double-right mr-2"></span> Ut enim ad minima ven aiam</li>
<li>
<span class="fa fa-angle-double-right mr-2"></span> Fugiat nulla pariatur
</li>
<li>
<span class="fa fa-angle-double-right mr-2"></span> Olor in repreh enderit</li>
<li>
<span class="fa fa-angle-double-right mr-2"></span>Duis aute irure dolor</li>
</ul>
```

```
                </div>

                <div class="col-lg-3 col-sm-6
agileinfo_footer_grid mt-lg-0 mt-5">
                    <h4 class="mb-sm-5 mb-
4">Address</h4>
                    <ul class="list-unstyled">
                        <li>
                            <span class="fa fa-map-
marker mr-2"></span> 738 Diamond Road, New York</li>
                        <li>
                            <span class="fa fa-
envelope mr-2"></span>
                            <a
href="mailto:info@example.com">info@example.com</a>
                        </li>
                        <li>
                            <span class="fa fa-
phone mr-2"></span> (0123) 0111 111 222</li>
                        <li>
                            <span class="fa fa-
clock-o mr-2"></span>Everyday 9:00-17:00</li>
                    </ul>
                </div>
            </div>
        </div>
    </footer>
```

```
		<!-- //footer -->


		<!-- footer last -->
		<div class="newsletter-main text-center py-md-5 py-4">
			<div class="container">
				<a href="#home" class="move-top text-
center"></a>
				<!-- newsletter -->


				<!-- //newsletter -->
				<!-- copyright -->
				<div class="w3agile_footer_copy mt-sm-5 mt-4">
					<p>© 2019 My Metro. All rights reserved |
Design by
						<a href="http://w3layouts.com/">My
Metro.</a>
					</p>
				</div>
				<!-- //copyright -->
			</div>
		</div>
		<!-- //footer last -->


</body>


</html>
```

❖ **AdminAddEmployee**

```
{% extends 'AdminPage.html' %}

{% block body %}


<form method="POST">

                    {% csrf_token %}

    <table align="center">

        <tr>

            <td><label >Employee Name</label></td>

            <td><input type="text" name="hname" class="textbox"
required></td>

        </tr>

        <tr>

            <td><label>Address</label></td>

            <td><input type="text" name="address" class="textbox" required
></td>

        </tr>

        <tr>

            <td><label>Designation</label></td>

            <td><input type="text" name="desig" class="textbox"
required></td>

        </tr>

        <tr>
```

```
            <td><label>Salary</label></td>
            <td><input type="text" name="salary" class="textbox" required></td>
        </tr>

        <tr>
            <td><label>Phone</label></td>
            <td><input type="text" name="phone" class="textbox" pattern="[0-9]{10}" title="please enter 10 digit number" required></td>
        </tr>
        <tr>
            <td><label>Email</label></td>
            <td><input type="email" name="email" class="textbox" required></td>
        </tr>
        <tr>
            <td><label>Password</label></td>
            <td><input type="password" name="pass" class="textbox" required></td>
        </tr>

        <tr>
            <td><input type="submit" value="Add Now" name="ADD" class="but"/></td>
        </tr>
    </table>
    {% if msg %}
```

```
<script>
   alert("{{msg}}")
</script>
{% endif %}
      <br/>
      <br/>

      </form>
      {% endblock %}
```

- **EmployeeViewTicketBooking.html**

```
{% extends 'EmployeePage.html' %}
{% block body %}
<form action="#" method="post" >
{% csrf_token %}
{% if data %}
<table class="customers">
   <tr>
      <th>Booking ID</th>
      <th>Customer</th>
      <th>From</th>
      <th>To</th>
      <th>Number of Tickets</th>
```

```
    </tr>
    {% for d in data %}
    <tr>
        <td>{{d.0}}</td>
        <td>{{d.8}}</td>
        <td>{{d.2}}</td>
        <td>{{d.3}}</td>
        <td>{{d.4}}</td>
    </tr>
    {% endfor %}
</table>
{% else %}
    <h1>No data found</h1>
    {% endif %}
{% endblock %}
```

- **CustomerBookTickets**

```
    {% extends 'CustomerPage.html' %}
    {% block body %}

    <form method="POST" enctype="multipart/form-data">
                        {% csrf_token %}
            <table align="center">

                <tr>
                    <td><label>From</label></td>
```

```
            <td><select name="From" required class="textbox"
style="color: deeppink;">
                <option>---Select Station---</option>
                  {%for c in cat %}
                <option value="{{c.1}}">{{c.1}}</option>
                  {% endfor %}
              </select></td>
          </tr>
          <tr>
            <td><label>To</label></td>
            <td><select name="To" required  class="textbox" style="color:
deeppink;">
                <option>---Select Station---</option>
                  {%for c in cat %}
                <option value="{{c.1}}">{{c.1}}</option>
                  {% endfor %}
              </select></td>
          </tr>
          <tr>
            <td><label>Number of Tickets</label></td>
            <td><input type="number" name="ticket" value="{{ticket}}"
required class="textbox"></td>
          </tr>

          <tr>
            <td><input type="submit" value="Amount" name="ADD"
class="but"/></td>
          </tr>
          <tr>
            <td><label>Total Amount</label></td>
            <td><input type="number" name="amount"
value="{{total_amount}}" readonly class="textbox"></td>
          </tr>
          <tr>
```

```
                    <td><input type="submit" value="Book Now" name="Book"
            class="but"/></td>
                      </tr>
                  </table>
                  {% if msg %}
            <script>
               alert("{{msg}}")
            </script>
            {% endif %}
                  <br/>
                  <br/>

                  </form>
                  {% endblock %}
```

- **CustomerRegistration.html**

```
{% extends 'CommonPage.html' %}



{% block body %}
<div class="input-info">

                                                                    </div>
                                                                    <div
class="form-body form-body-info">

                        <form data-toggle="validator"  method="post">
```

```
{% csrf_token %}

<div class="form-group valid-form">

<input type="text" class="form-control" id="inputName"
name="cname" placeholder="Name" required="">

<input type="text" class="form-control" id="inputName"
name="address" placeholder="Address" required="">

<input type="text" class="form-control" id="inputName"
name="pincode" placeholder="Pincode" required="">

</div>

<div class="form-group">

<div class="radio">

<label>

<input type="radio" name="gender"
value="Male" required="">

Male

</label>

</div>
```

```
                    <div class="radio">

                        <label>

                        <input type="radio" name="gender"
value="Female" required="">

                        Female

                        </label>

                    </div>

                </div>

                <input type="text" class="form-control" id="inputName"
name="age" placeholder="Age" required="">

                <input type="text" class="form-control" id="inputName"
name="district" placeholder="District" required="">

                <input type="text" class="form-control" id="inputName"
name="location" placeholder="Location" required="">

                <div class="form-group has-feedback">

                    <input type="email" class="form-control" name="Email"
placeholder="Email" data-error="That email address is invalid" required="">
```

****

Please enter a valid email address

** **

<input type="text" class="form-control" id="inputName" name="mobile" placeholder="Mobile" required="">

** **

<input type="password" data-toggle="validator" data-minlength="6" class="form-control" id="inputPassword" name="Password" placeholder="Password" required="">

Minimum of 6 characters

** **

** **

** **

<label>

<input type="checkbox" id="terms" data-error="Before you wreck yourself" required="">

I have read and accept terms of use.

</label>

<button type="submit" name="submit" class="btn btn-primary disabled">Submit</button>

</form>

{% if msg %}

<script>

alert("{{msg}}")

</script>

{% endif %}

** **

{% endblock %}

- **Payment.html**

```
<form method="POST" >
  {% csrf_token %}

<table align="center" cellpadding="10">
  <h1 align="center" cellpading="10"></h1>

  <div>
      <tr>
       <td> Mode Of Payment </td>
            <td>  <input type="text" name="payment" class="textbox"></td>
            </tr>
           </div>
           <div>
              <tr>
<td> Date </td>
<td>  <input type="text" name="date" class="textbox"></td>
```

```
</tr>

</div>

<div>

   <tr>

<td> Amount </td>

<td>  <input type="text" name="amount" class="textbox"></td>

</tr>

</div>

<div>

   <tr>

<td> UPI Id </td>

<td>  <input type="text" name="id" class="textbox"></td>

</tr>

</div>

<div>

<tr>

<td>  Status</td>

<td> <input type="text" name="status" class="textbox"></td>

</tr>

</div>



  <div>

      <tr>
```

<td>

<input type="submit" name="submit" value="submit" class="but"> </td>

</tr>

** **

</table>

</form>

- **TransporationPage.html**

<!DOCTYPE html>

<html lang="zxx">

<head>

<title>My Metro</title>

<!-- Meta tag Keywords -->

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta charset="UTF-8" />

<meta name="keywords" content="Skin Beauty Responsive web template, Bootstrap Web Templates, Flat Web Templates, Android Compatible web template, Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />

```
<script>
    addEventListener("load", function () {
        setTimeout(hideURLbar, 0);
    }, false);

    function hideURLbar() {
        window.scrollTo(0, 1);
    }
</script>
<!-- //Meta tag Keywords -->

<!-- Custom-Files -->
<link rel="stylesheet" href="../static/Project/css/bootstrap.css">
<!-- Bootstrap-Core-CSS -->
<link rel="stylesheet" href="../static/Project/css/style.css"
type="text/css" media="all" />
<!-- Style-CSS -->
<link href="../static/Project/css/font-awesome.min.css"
rel="stylesheet">
<!-- Font-Awesome-Icons-CSS -->
<!-- //Custom-Files -->

<!-- Web-Fonts -->
<link
href="//fonts.googleapis.com/css?family=Nunito+Sans:200,200i,300,300i,400,400i,600,60
0i,700,700i,800,800i,900,900i&amp;subset=latin-ext,vietnamese"
```

```
                    rel="stylesheet">
                    <link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:300,300i,400,400i,700,700i
&amp;subset=cyrillic,cyrillic-ext,greek,greek-ext,latin-ext,vietnamese"
                    rel="stylesheet">
                    <!-- //Web-Fonts -->
</head>

<body>
                    <!-- main banner -->
                    <div class="main-top" id="home">

                        <!-- header -->
                        <header>
                            <div class="container-fluid">
                                <div class="header d-md-flex justify-content-
between align-items-center py-3 px-xl-5 px-lg-3 px-2">
                                    <!-- logo -->
                                    <div id="logo">
                                        <h1><a class=""
href="index.html">My Metro</a></h1>
                                    </div>
                                    <!-- //logo -->
                                    <!-- nav -->
                                    <div class="nav_w3ls">
                                        <nav>
```

```
<ul class="menu">
<li><a href="/TransportationHome" >Home</a></li>
<li><a href="/TransportationViewBooking">Booking</a></li>
<li><a href="/TransportationViewConfirmedBooking">Confirmed Booking</a></li>
<li><a href="/">Logout</a></li>
</ul>
</nav>
</div>
<!-- //nav -->
</div>
</div>
</header>
<!-- //header -->

<!-- banner -->
<div class="banner_w3lspvt-2">

</div>
<!-- //banner -->
</div>
<!-- //main banner -->
```

```
                    <!-- page details -->


                    <!-- //page details -->


                    <!-- gallery -->
                    <div class="gallery py-5" id="gallery">
                        <div class="container py-lg-5">



                                        {% block body %}

                                        {% endblock %}




</div>
                    </div>
                    <!-- popup-->
                    <div id="gal1" class="popup-effect animate">
                        <div class="popup">
                                <img src="../static/Project/images/g1.jpg"
alt="Popup Image" class="img-fluid" />
                                <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                                <a class="close" href="#gallery">&amp;times;</a>
                        </div>
```

```
                    </div>
                    <!-- //popup -->
                    <!-- popup-->
                    <div id="gal2" class="popup-effect animate">
                        <div class="popup">
                            <img src="../static/Project/images/g2.jpg"
alt="Popup Image" class="img-fluid" />
                            <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                            <a class="close" href="#gallery">&times;</a>
                        </div>
                    </div>
                    <!-- //popup -->
                    <!-- popup-->
                    <div id="gal3" class="popup-effect animate">
                        <div class="popup">
                            <img src="../static/Project/images/g3.jpg"
alt="Popup Image" class="img-fluid" />
                            <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                            <a class="close" href="#gallery">&times;</a>
                        </div>
                    </div>
                    <!-- //popup3 -->
                    <!-- popup-->
                    <div id="gal4" class="popup-effect animate">
```

```
                    <div class="popup">
                        <img src="../static/Project/images/g4.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- popup-->
                <div id="gal5" class="popup-effect animate">
                    <div class="popup">
                        <img src="../static/Project/images/g5.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                        <a class="close" href="#gallery">&times;</a>
                    </div>
                </div>
                <!-- //popup -->
                <!-- popup-->
                <div id="gal6" class="popup-effect animate">
                    <div class="popup">
                        <img src="../static/Project/images/g6.jpg"
alt="Popup Image" class="img-fluid" />
                        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
```

```
                    <a class="close" href="#gallery">&times;</a>
                </div>
            </div>
            <!-- //popup -->
            <!-- popup-->
            <div id="gal7" class="popup-effect animate">
                <div class="popup">
                    <img src="../static/Project/images/g7.jpg"
alt="Popup Image" class="img-fluid" />
                    <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                    <a class="close" href="#gallery">&times;</a>
                </div>
            </div>
            <!-- //popup -->
            <!-- popup-->
            <div id="gal8" class="popup-effect animate">
                <div class="popup">
                    <img src="../static/Project/images/g8.jpg"
alt="Popup Image" class="img-fluid" />
                    <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
                    <a class="close" href="#gallery">&times;</a>
                </div>
            </div>
            <!-- //popup -->
```

```
<!-- popup-->
<div id="gal9" class="popup-effect animate">
    <div class="popup">
        <img src="../static/Project/images/g9.jpg"
alt="Popup Image" class="img-fluid" />
        <p class="mt-4">Nulla viverra pharetra se, eget
pulvinar neque pharetra ac int. placerat placerat dolor.</p>
        <a class="close" href="#gallery">&times;</a>
    </div>
</div>
<!-- //popup -->
<!-- //gallery -->

<!-- footer -->
<footer class="footer-w3ls py-5">
    <div class="container py-sm-4">
        <div class="row">
            <div class="col-lg-3 col-sm-6
agileinfo_footer_grid">
                <!-- logo -->
                <div class="logo-2 mb-sm-4 mb-3">
                    <h2><a href="index.html">My
Metro</a></h2>
                </div>
                <!-- //logo -->
                <p>Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
```

```
                </div>
                <div class="col-lg-3 col-sm-6
agileinfo_footer_grid mt-sm-0 mt-5">
                    <h4 class="mb-sm-5 mb-4">Recent
Articles</h4>
                    <ul class="list-unstyled">
                        <li>
                            <span class="fa fa-
angle-double-right mr-2"></span> Ut enim ad minima ven aiam</li>
                        <li>
                            <span class="fa fa-
angle-double-right mr-2"></span> Fugiat nulla pariatur
                        </li>
                        <li>
                            <span class="fa fa-
angle-double-right mr-2"></span> Olor in repreh enderit</li>
                        <li>
                            <span class="fa fa-
angle-double-right mr-2"></span>Duis aute irure dolor</li>
                    </ul>
                </div>

                <div class="col-lg-3 col-sm-6
agileinfo_footer_grid mt-lg-0 mt-5">
                    <h4 class="mb-sm-5 mb-
4">Address</h4>
                    <ul class="list-unstyled">
```

```
                                    <li>
                                        <span class="fa fa-map-
marker mr-2"></span> 738 Diamond Road, New York</li>
                                    <li>
                                        <span class="fa fa-
envelope mr-2"></span>
                                        <a
href="mailto:info@example.com">info@example.com</a>
                                    </li>
                                    <li>
                                        <span class="fa fa-
phone mr-2"></span> (0123) 0111 111 222</li>
                                    <li>
                                        <span class="fa fa-
clock-o mr-2"></span>Everyday 9:00-17:00</li>
                                </ul>
                            </div>
                        </div>
                    </div>
                </footer>
                <!-- //footer -->

                <!-- footer last -->
                <div class="newsletter-main text-center py-md-5 py-4">
                    <div class="container">
                        <a href="#home" class="move-top text-
center"></a>
```

```
                                    <!-- newsletter -->


                                    <!-- //newsletter -->
                                    <!-- copyright -->
                                    <div class="w3agile_footer_copy mt-sm-5 mt-4">
                                        <p>© 2019 My Metro. All rights reserved |
Design by
                                            <a href="http://w3layouts.com/">My
Metro.</a>
                                        </p>
                                    </div>
                                    <!-- //copyright -->
                                </div>
                            </div>
                            <!-- //footer last -->


</body>


</html>
```

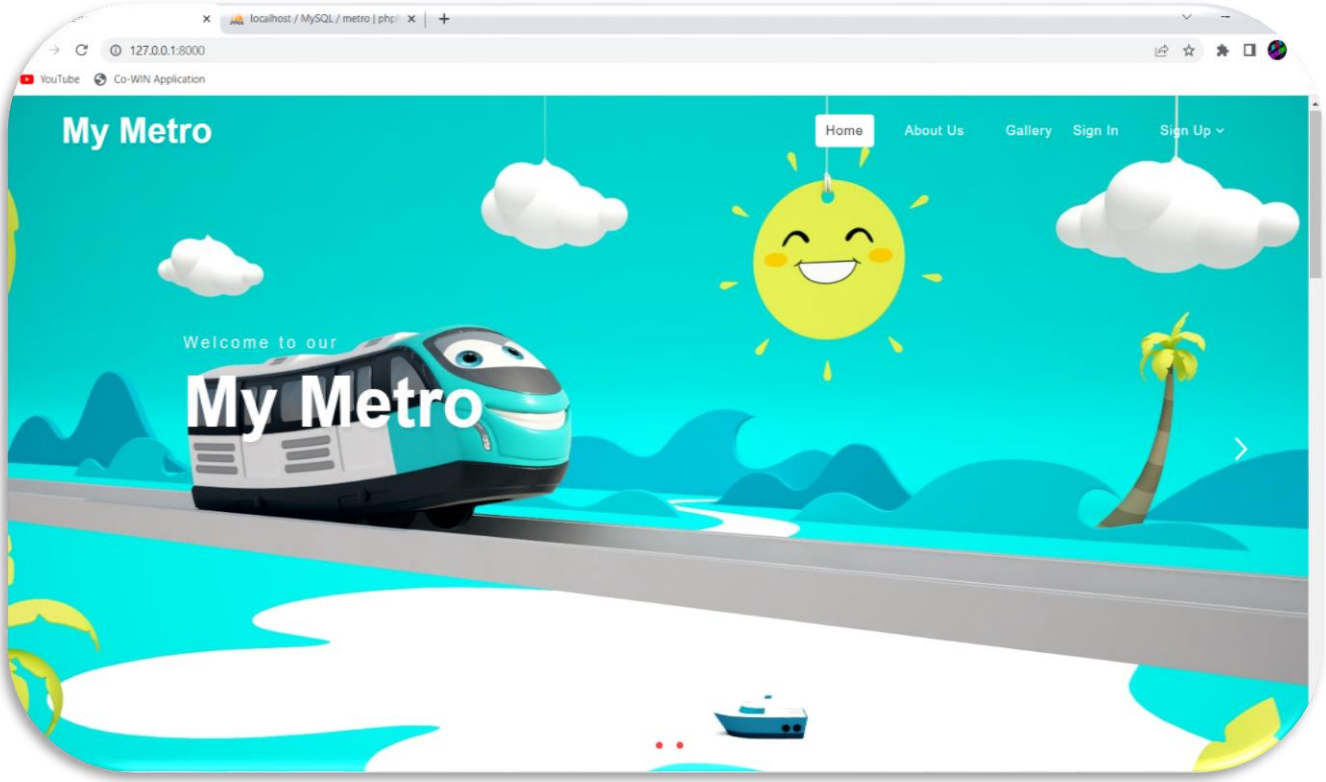
- **TransportationViewBooking.html**

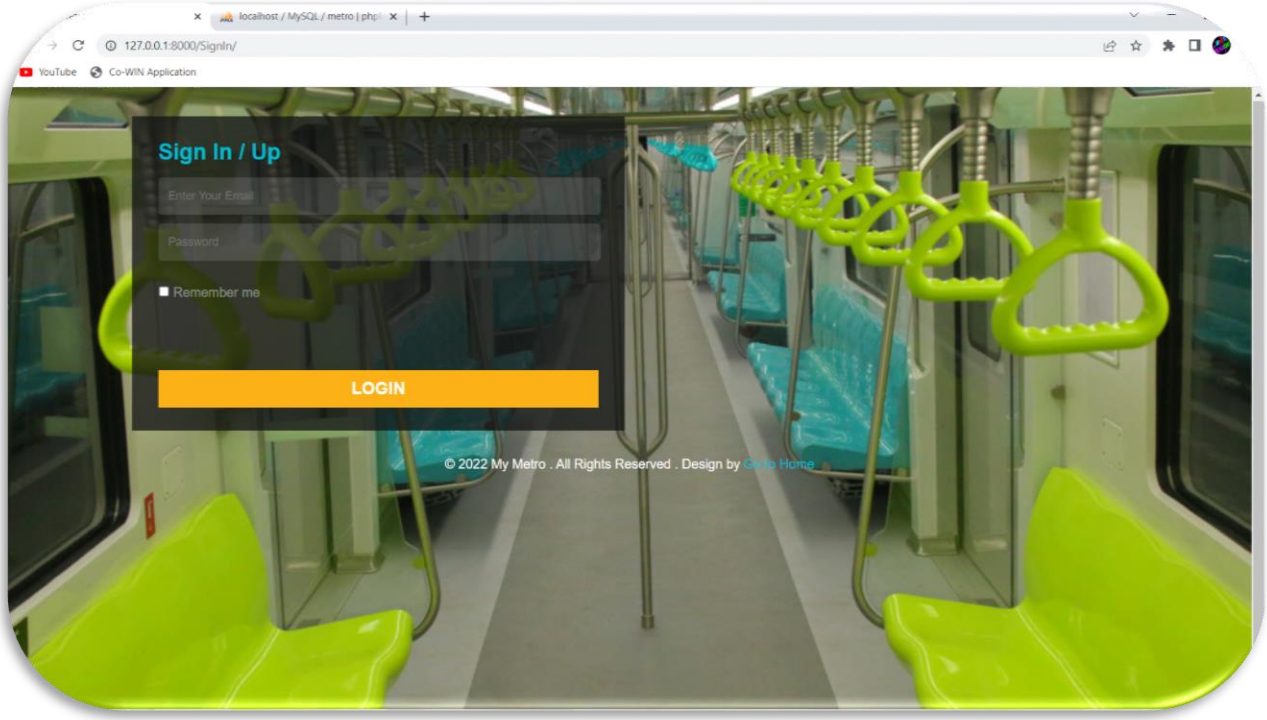
```
{% extends 'TransportationPage.html' %}
{% block body %}
```

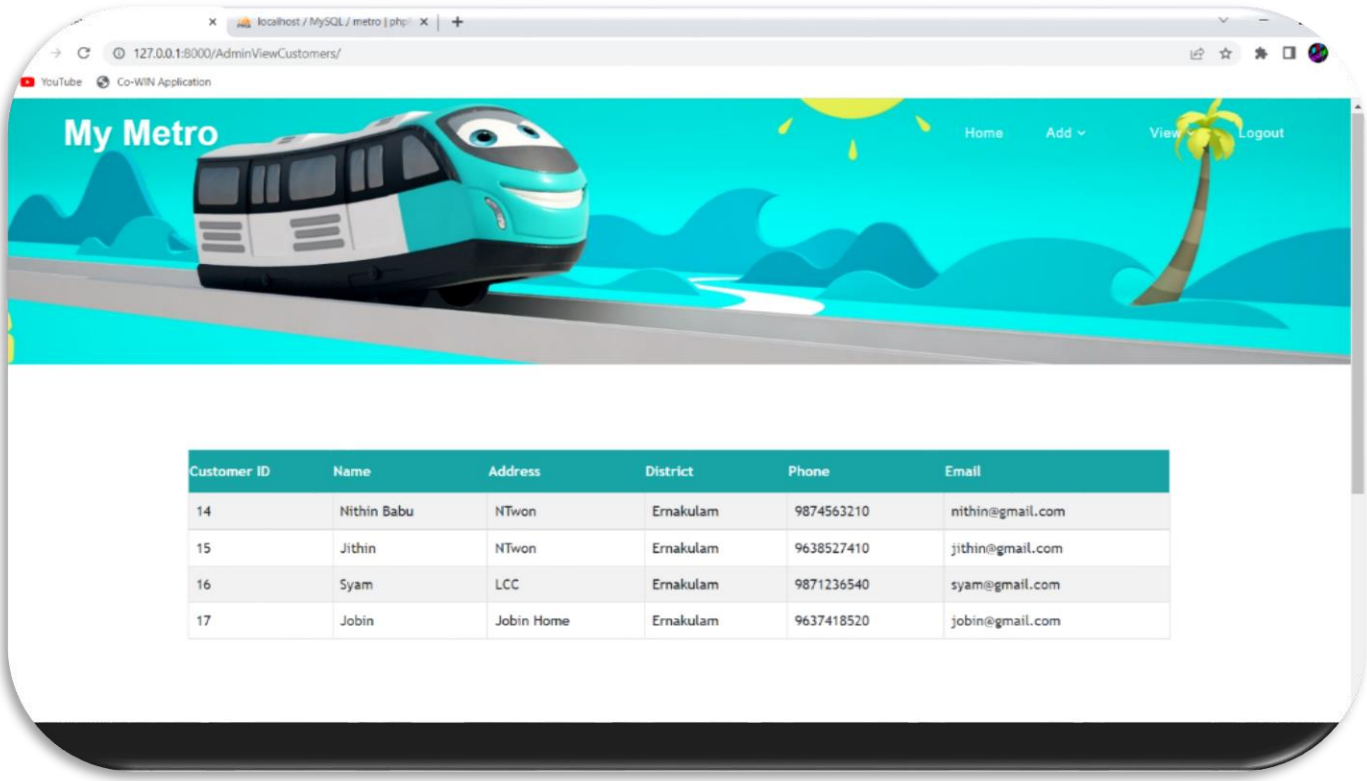
```
<form action="#" method="post" >
{% csrf_token %}
{% if data %}
<table class="customers">
   <tr>
      <th>Booking ID</th>
      <th>Customer</th>
      <th>Email</th>
      <th>Destination</th>
      <th>Travel Date</th>
      <th>Travel Time</th>
      <th>Booking Date</th>
   </tr>
   {% for d in data %}
   <tr>
      <td>{{d.0}}</td>
      <td>{{d.9}}</td>
      <td>{{d.16}}</td>
      <td>{{d.5}}</td>
      <td>{{d.3}}</td>
      <td>{{d.4}}</td>
      <td>{{d.6}}</td>
      <td><a
href="/TransportationViewBooking/?id={{d.0}}&st=Accept">Accept</a></td>
      <td><a
href="/TransportationViewBooking/?id={{d.0}}&st=Reject">Reject</a></td>
```

```
    </tr>
    {% endfor %}
</table>
{% else %}
    <h1>No data found</h1>
    {% endif %}
{% endblock %}
```

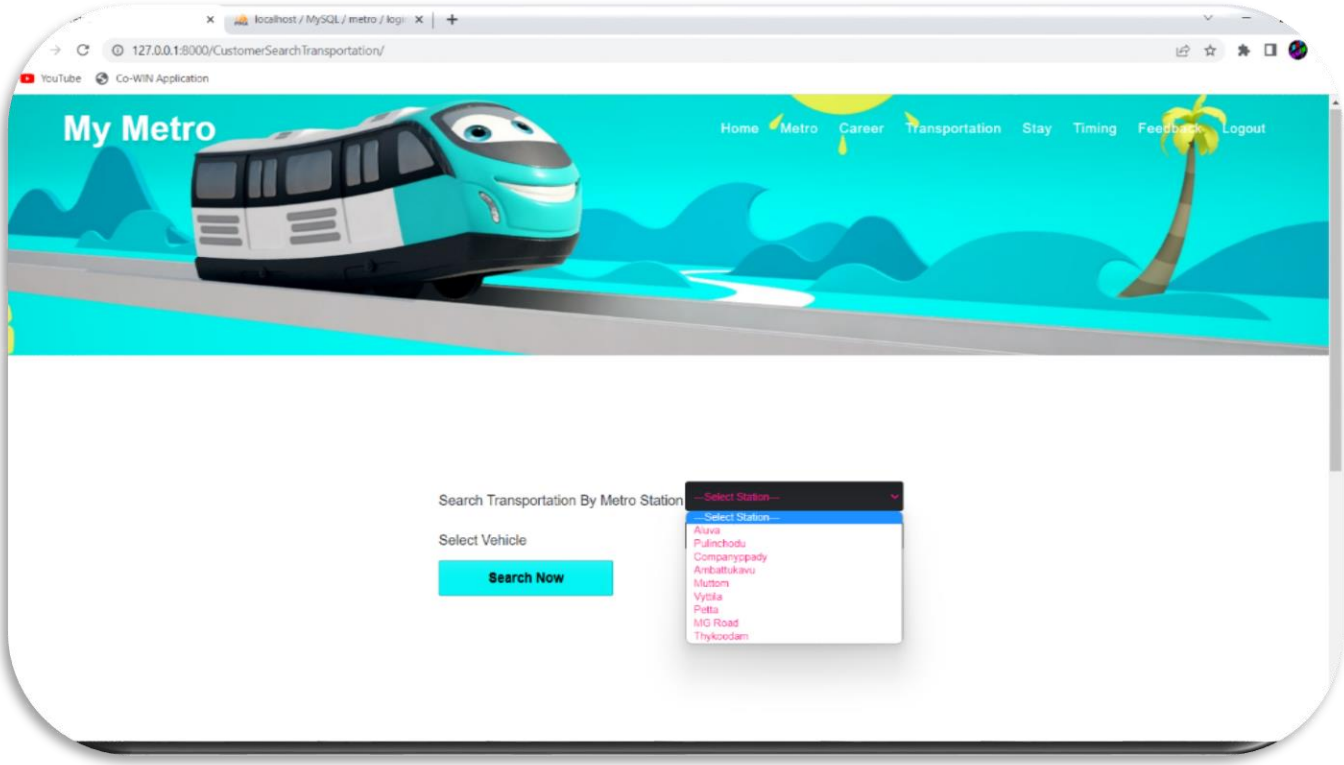
8.2 Screenshots

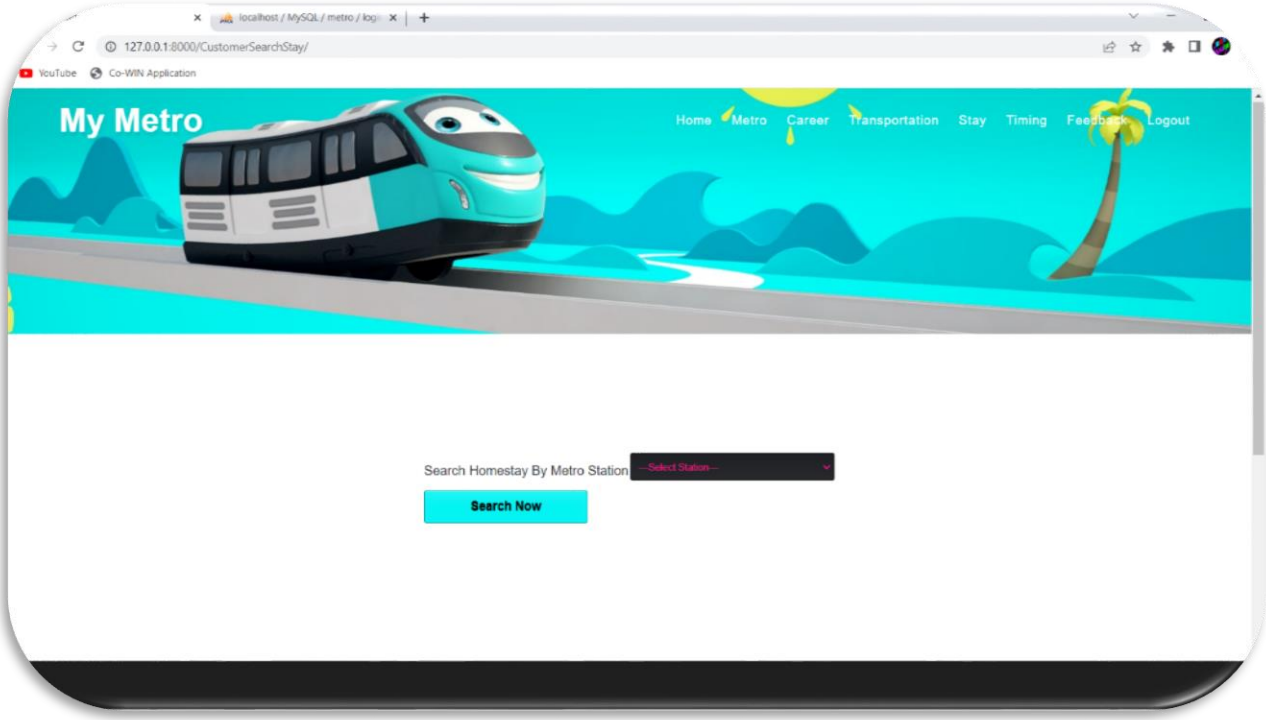


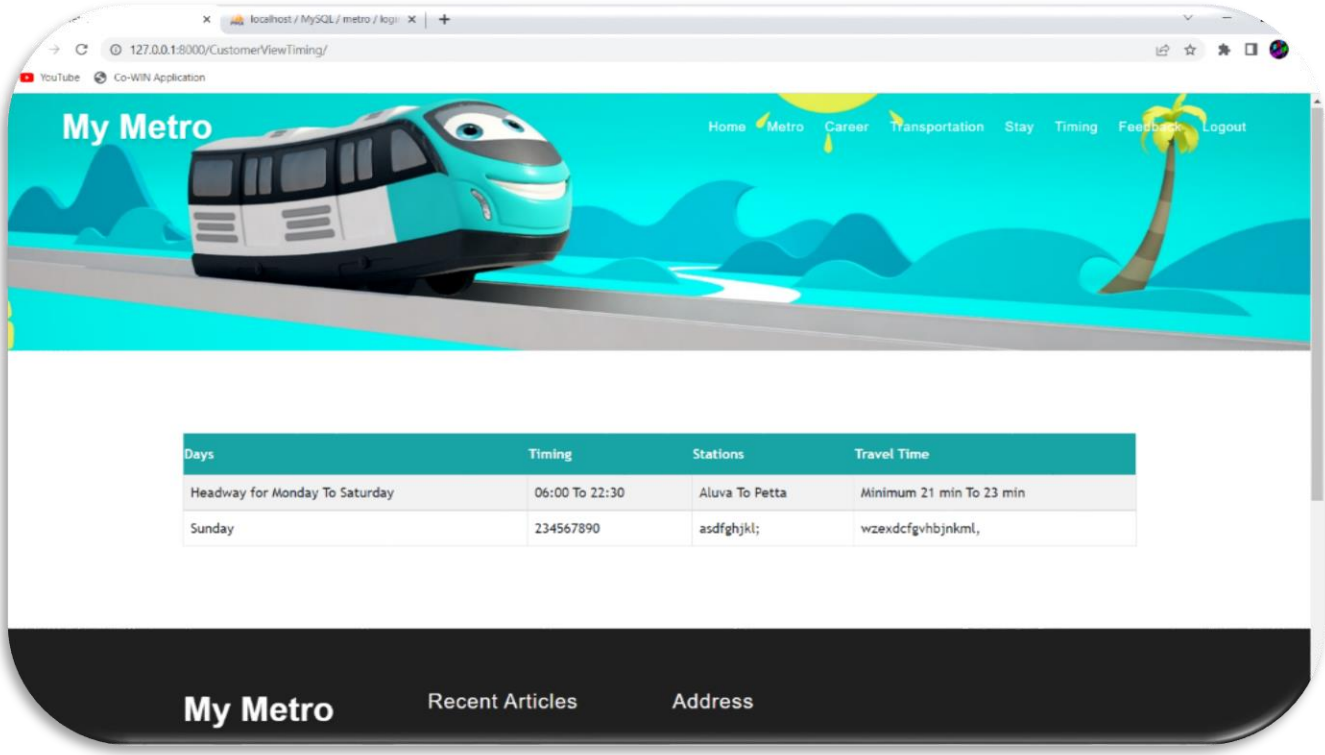




Customer ID	Name	Address	District	Phone	Email
14	Nithin Babu	NTwon	Ernakulam	9874563210	nithin@gmail.com
15	Jithin	NTwon	Ernakulam	9638527410	jithin@gmail.com
16	Syam	LCC	Ernakulam	9871236540	syam@gmail.com
17	Jobin	Jobin Home	Ernakulam	9637418520	jobin@gmail.com




localhost / MySQL / metro / login
127.0.0.1:8000/CustomerSearchStay/
YouTube
Co-WIN Application
My Metro
Home
Metro
Career
Transportation
Stay
Timing
Feedback
Logout
Search Homestay By Metro Station
---Select Station---
Search Now


localhost / MySQL / metro / login
127.0.0.1:8000/CustomerViewTiming/
YouTube
Co-WIN Application
My Metro
Home
Metro
Career
Transportation
Stay
Timing
Feedback
Logout
Days
Timing
Stations
Travel Time
Headway for Monday To Saturday
06:00 To 22:30
Aluva To Petta
Minimum 21 min To 23 min
Sunday
234567890
asdfghjkl;
wzexdcfgvhbjnkml,
My Metro
Recent Articles
Address

9. CONCLUSION

My Metro satisfies the requirements of the management. The system is developed in a user friendly manner.

The database and the information can be updated to the latest coming versions.

There are also possibilities for enhancing and further developing the project with the latest information and needs of the management.

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