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A MINI-PROJECT REPORT
ON
TOURISM AND TRAVEL WEBSITE

Submitted in partial fulfillment of the
requirement of the University of
Mumbai for the Course

In

Computer Engineering (SEM VIII)

Submitted by

MANASI JADHAV
RASIKA MHABDI
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Subject Incharge

Deepak Khachne



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CERTIFICATE

This is to certify that the requirements for the project report entitled 'Tourism and Travel website' have been successfully completed by following students

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In partial fulfilment, of course, cloud computing Laboratory in Computer Engineering (SEM VIII) of Mumbai University the Department of Computer Engineering, during the academic year 2022-2023

Name of internal

Name of External



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APPROVAL

This project entitled “Tourism and Travel website” are approved for the course cloud computing Laboratory in Computer Engineering (Sem VIII) of Mumbai University in the Department of Computer Engineering.

Subject Incharge

Date:

Place: Thane



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Declaration

We declared that written submission for Cloud Computing Laboratory mini project is entitled “Tourism and Travel website “ represents ideas of words and where other ideas or words have been included we have adequately cited and reference the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misinterpreted or fabricated or falsified any ideas source in our submission. We understand that violation of the above will cause disciplinary action by the institute and also evoke penal action from the sources which have not been properly cited from whom prior permission has not been taken when needed

Project group Members

Manasi Jadhav

Ruchika Kale

Rasika Mhabdi

Date :

Place: Thane



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Sr.No.	Topic	page.
1.	Abstract	1
2	Problem definition	2
3.	Introduction	3
4.	Description	4-6
7.	Implementation details with screen-shots(stepwise)	7-30
8.	Summary and Future-Scope	31
9.	Learning outcomes	32
10.	References	33
11.	Acknowledgment	34



1. Abstract

Most of the people in this world like to travel from one place to another no matter whether it is a small or large distance. The need for a tourism management system that can manage tourism information with ease is sought after by every tour management company. Tour Management system is a dynamic website for tourism business. This travel and tourism application is designed for travel agencies by which they can manage different tour packages based on the destinations. By using this, the tour company can tailor tour packages spanning various destinations at almost every price point. The also implemented search module allows the administrator to find and update or upgrade the tour packages with ease. This module can also even be extended to a customer application page by which customers can find the right tour package for them at every budget, depending on the tour locations. The main purpose is to help tourism companies to manage tour packages . The system can also be used for both professional and business trips. The proposed system maintains a centralized repository to make necessary travel arrangements and to retrieve information easily .



2. Problem Statement:

The purpose of tour and travel is mainly to provide online booking services for the user. This statement describes the problem definition of the proposed system. The purpose of this site is to provide a tours and travels package for every category and provide the user with the budget requirements of the particular tour. The problem definition of the MR² is to book an online holiday package where the user wants to visit. It is a Web-Based Application to develop a website in which the end-user interacts with the web app easily. The problem is that there are many websites but they offer different kinds of services. The customers are enjoying a lot but there is a lack of relationship between travel agency and customers and hence we are establishing that relationship by carrying and servicing all customers in the same manner that we wish to serve.

2.1. Objective

Creating a Travel and tourism Web application for tourism package booking and hosting the website using Amazon Web Services.



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3.Introduction

MR2 tourism website allows user to plan their trip according to their convenience. They can choose the type of tour they want to take and accordingly choose the destination they want to visit based on their choices various packages related to their trip are available on the website. If they are interested in any of the packages they can enquire about it by filling out a form. Based on their inquiry we will confirm their pending request status and contact them. After confirmation, a customized itinerary will be provided to the user according to their needs and requirements. Session implementation and validations have been added. Also, users can visit the gallery to get an overview of the experiences of past users and there are various advertisements available for the best tour and travel agencies if they want to make the trip.



4)Description

Methodology & Software Requirements:

Technology used:

Frontend development:

HTML,CSS,Bootstrap,Javascript

HTML: Hypertext Markup Language, forms the basic skeleton of a webpage

CSS: Cascading Style Sheets use for designing a website and help it to appear more appealing to users and are also used for responsive web designing.

Bootstrap: Bootstrap is a free and open-source CSS framework for front-end web development that is responsive and mobile-first. It includes design templates for typography, forms, buttons, navigation, and other interface elements that are based on HTML, CSS, and JavaScript.

Javascript: It is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc.



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Backend development: Php, Mysql

PHP: PHP is a server-side scripting language. that is used to develop Static websites, Dynamic websites, or Web applications. PHP stands for Hypertext Pre-processor, which earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed.

MYSQL: MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications.

Cloud Service used: Amazon Web Services Platform

Amazon Web Services offers a broad set of global cloud-based products including compute, storage, databases, analytics, IoT, management tools, and enterprise applications. These services help organizations move faster, lower IT costs, and scale.

AWS is trusted by the largest enterprises and the hottest start-ups to power a wide variety of workloads including web and mobile applications, game development, data processing and warehousing, storage, archive, and many others.



Services used from Amazon Web Services:

EC2 Instance:

Features of Amazon EC2

Amazon EC2 provides the following features:

Virtual computing environments, known as *instances*

Various configurations of CPU, memory, storage, and networking capacity for your instances, known as *instance types*

Secure login information for your instances using *key pairs* (AWS stores the public key, and you store the private key in a secure place)

Storage volumes for temporary data that's deleted when you stop, hibernate, or terminate your instance, known as *instance store volumes*

Persistent storage volumes for your data using Amazon Elastic Block Store (Amazon EBS), known as *Amazon EBS volumes*

Multiple physical locations for your resources, such as instances and Amazon EBS volumes, known as *Regions* and *Availability Zones*

Persistent storage volumes for your data using Amazon Elastic Block Store (Amazon EBS), known as *Amazon EBS volumes*

Multiple physical locations for your resources, such as instances and Amazon EBS volumes, known as *Regions* and *Availability Zones*

A firewall that enables you to specify the protocols, ports, and source IP ranges that can reach your instances using *security groups*

Static IPv4 addresses for dynamic cloud computing, known as *Elastic IP addresses*



5.Implementation details

The following diagram depicts the implementation of deployment of the application on AWS Cloud environment.

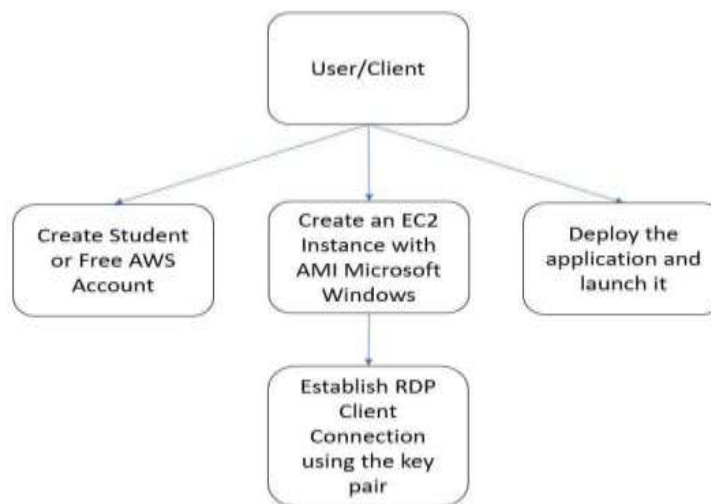


Fig.2 Use-Case Diagram

STEP 1- Set up your free tier AWS account .

STEP 2 - Select the current region as Mumbai.

STEP 3- Select the EC2 service of AWS from the dashboard.

STEP 4- Create an EC2 instance



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STEPS to Create EC2 Instance:

S-1) Click on launch instance





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S-2) We selected Microsoft windows Server 2022 base with containers.

You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the **Cancel** button. [Try it now!](#)

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

OS	AMI ID	Architecture	Root Device Type	Virtualization Type	EBS Status	Free Tier Eligible
Debian 10 (HVM), SSD Volume Type	ami-058a9b1093496222c (64-bit x86) / ami-03b05547d5c0bb9e4 (64-bit Arm)	64-bit (x86) / 64-bit (Arm)	efs	hvm	Enabled, Yes	Free tier eligible
Microsoft Windows Server 2016 Base with Containers	ami-05cfe62443b083813	64-bit (x86)	efs	hvm	Enabled, Yes	Free tier eligible
Microsoft Windows Server 2022 Base with Containers	ami-0809e191cb7c3a885	64-bit (x86)	efs	hvm	Enabled, Yes	Free tier eligible
Microsoft Windows Server 2016 with SQL Server 2016 Standard	ami-039896a39af9b5b40	64-bit (x86)	efs	hvm	Enabled, Yes	Free tier eligible

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S-3) Choose an Instance Type

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECU, 1 vCPU, 2.5 GHz, -, 1 GB memory, EBS only)


	Family	Type	vCPUs (1)	Memory (GB)	Instance Storage (GB) (1)	EBS-Optimized Available (1)	Network Performance (1)	IPv4 Support (1)
	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details



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S-4) Configure Instance Details

 Services [Alt+S]

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot Instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances ⓘ

[Launch into Auto Scaling Group ⓘ](#)

Purchasing option ⓘ

☐ Request Spot Instances

Network ⓘ

[Create new VPC](#)

Subnet ⓘ

[Create new subnet](#)

Auto-assign Public IP ⓘ

Hostname type ⓘ

DNS Hostname ⓘ

☐ Enable IP name (IPv4 (A record) DNS requests

☒ Enable resource-based IPv4 (A record) DNS requests

☐ Enable resource-based IPv6 (AAAA record) DNS requests

Placement group ⓘ

☐ Add instance to placement group

Capacity Reservation ⓘ

Domain join directory ⓘ

[Create new directory](#)

IAM role ⓘ

[Create new IAM role](#)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)


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S-5) Configure Security Group

 Services

Search for services, features, logs, docs, and more. [Alt+S]

Mumbai ▼ Marathi Interface ▼

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 6: Configure Security Group


A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type (i)	Protocol (i)	Port Range (i)	Source (i)	Description (i)
RDP ▼	TCP	3389	Custom ▼ 0.0.0.0/0	e.g. SSH for Admin Desktop ⓘ
HTTP ▼	TCP	80	Custom ▼ 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop ⓘ
HTTPS ▼	TCP	443	Custom ▼ 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop ⓘ

 **Warning**
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

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S-6) Create a key and download it , it will be a .pem file and launch an instance .

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#) .

Create a new key pair

Key pair type
☒ RSA ☐ ED25519

Key pair name
Tourism

Download Key Pair

You have to download the **private key file** (*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel

Launch Instances

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S-7) Check the status of the created instance.



S-8) After the instance starts running , connect to the instance .

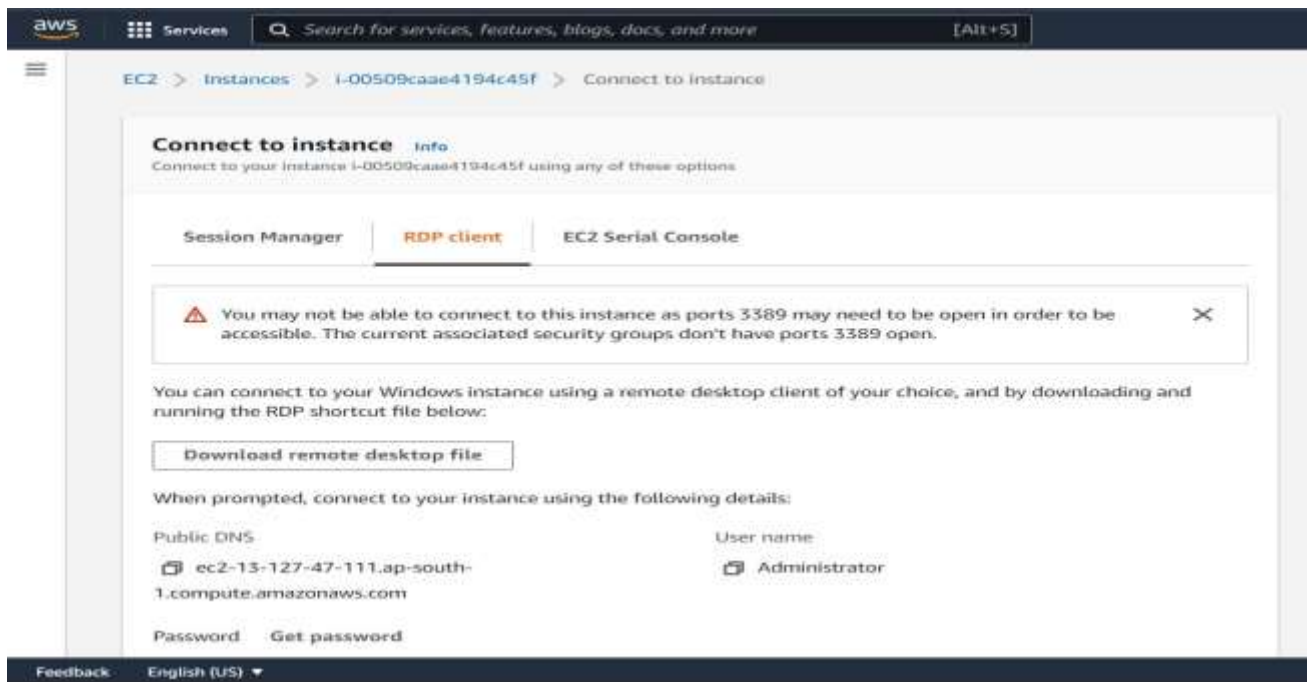
STEP 5: RDP Connection.

- 1.) Select the instance you created and click on Connect in top panel.
- 2.) Navigate to RDP Client section.
- 3) Click on Download remote desktop file, and a .rdp file will be downloaded.
- 4) In the password section, click on Get Password. Here, browse and select the Key Pair file we downloaded in the previous step in .pem format.
- 5) Click on Decrypt Password. You will be redirected to the previous page and will see the password.
- 6) Open the .rdp file now. Click on Connect in the pop-up. You will be asked to enter a password for the Administrator user. Copy the Decrypted password from the console and past in the dialogue box and connect to the RDP client. Click on Yes if another pop-up appears.



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7) As we have chosen Windows AMI, a VM will open up with Windows OS. Wait till you see the instance details on the Desktop of this VM before moving further. Select Refresh by right-clicking in the VM if you don't see the details in the top right corner. RDP Connection is now established.



S-1) After connecting to the instance choose RDP Client. After that copy the Public DNS along with the Username and password in the text editor. And click Get Password.



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Services [Alt+S]

EC2 > Instances > i-00509caae4194c45f > Connect to instance

Connect to instance [Info](#)

Connect to your instance i-00509caae4194c45f using any of these options

[Session Manager](#) [RDP client](#) [EC2 Serial Console](#)

You may not be able to connect to this instance as ports 3389 may need to be open in order to be accessible. The current associated security groups don't have ports 3389 open.

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download remote desktop file

When prompted, connect to your instance using the following details:

Public DNS	User name
ec2-13-127-47-111.ap-south-1.compute.amazonaws.com	Administrator
Password	Get password

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S-2) After clicking on get password, to decrypt the password upload the key pair (Tourism.pem) downloaded for this instance in the previous step.

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and a keyboard shortcut '[Alt+S]'. Below the navigation bar, the breadcrumb trail reads 'EC2 > Instances > i-00509caae4194c45f > Get Windows password'. The main content area is titled 'Get Windows password' with an 'Info' link. Below the title, it says 'Retrieve and decrypt the initial Windows administrator password for this instance.' A message states 'To decrypt the password, you will need your key pair for this instance.' A light blue box highlights the 'Key pair associated with this instance' as 'Tourism'. Below this, there's a 'Browse to your key pair:' section with a 'Browse' button. A green checkmark indicates that 'Tourism.pem' (1.704KB) is selected. At the bottom, it says 'Or copy and paste the contents of the key pair below:' followed by a text area containing the RSA private key content.

aws Services Search for services, features, blogs, docs, and more [Alt+S]

EC2 > Instances > i-00509caae4194c45f > Get Windows password

Get Windows password [Info](#)

Retrieve and decrypt the initial Windows administrator password for this instance.

To decrypt the password, you will need your key pair for this instance.

Key pair associated with this instance
Tourism

Browse to your key pair:

Browse

Tourism.pem
1.704KB

Or copy and paste the contents of the key pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAh8epxZDKD/ziUqcdSnBnN/MqvCwwAVe/Lul6hJdoA7suw1w4
+/Oz3h0lqplZxZx04kHWTqyjIzVRYD40pUNhGEiFF5Z0QErQb+AYJ4rkLY3vbmOr
+HW1+vckULwQJ6Q0GlrUE/6XefDK2IiiEU8fj2/2kA/jOJsBJY8yn2ANg7P3sa22
QF2TH9NjWEMr8/ZoD6rsfFKjAGrDLA/ywfYtXo0ydHOLLislAGBZm/JQlglI4BGH
ERuFZZN0cGpms/uauYu0ylumUMTeQgRL+bQYo+dTJq8N5zURosb3rYWmHBQLEOqs
Wi15qFhGleA61CRWBUD7Pfr9hroJxWsLSvV6QIDAQABAoIBAFzIoOhPiXtwct86
```



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S-3) In the Windows start menu, select Remote Desktop Connection enter the public DNS IP. And click connect.





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S-4) In the next window enter the username and the password.

Windows Security

Enter your credentials

These credentials will be used to connect to
ec2-13-127-47-111.ap-south-1.compute.amazonaws.com.

Administrator

.....

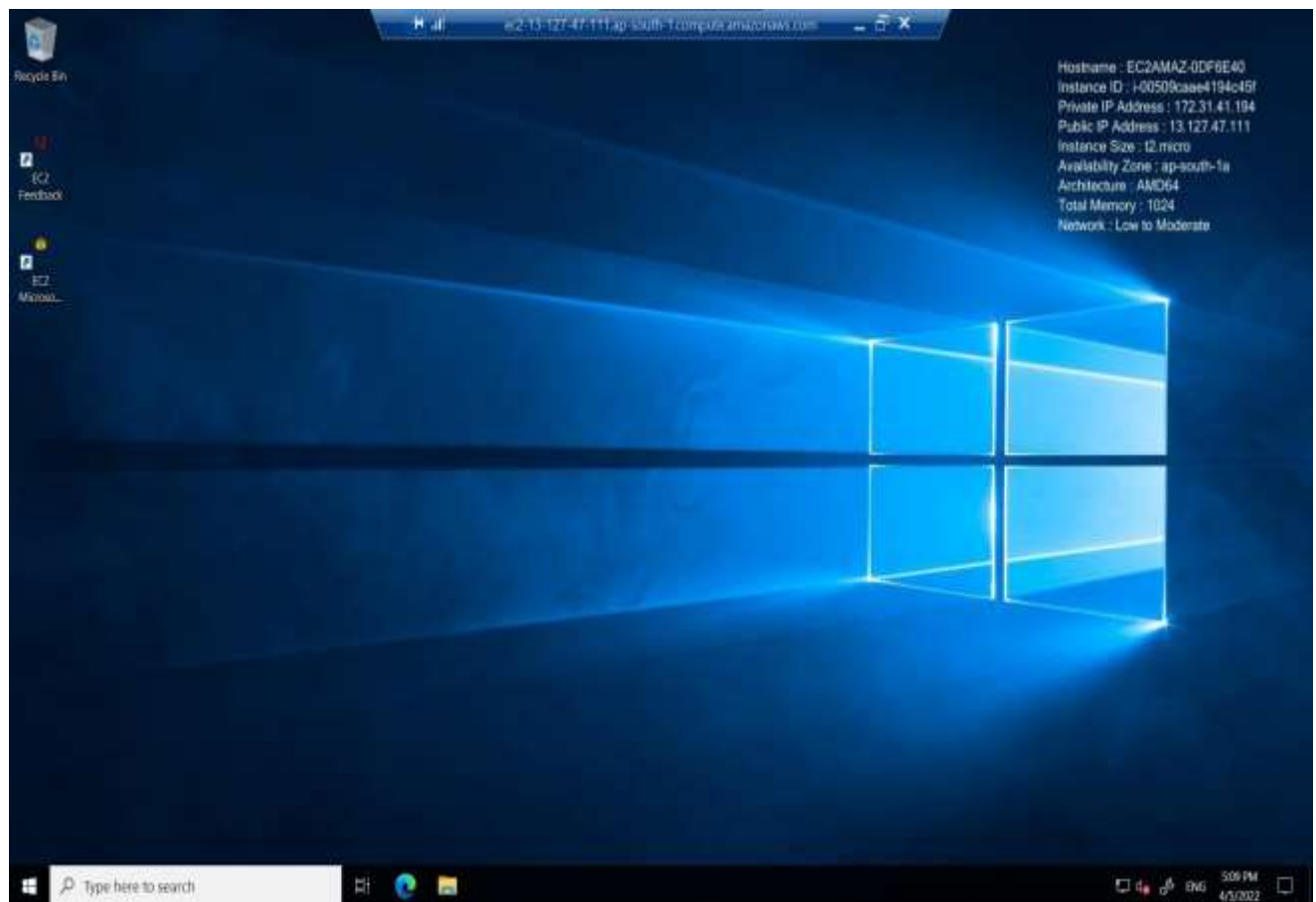
☐ Remember me

OK Cancel



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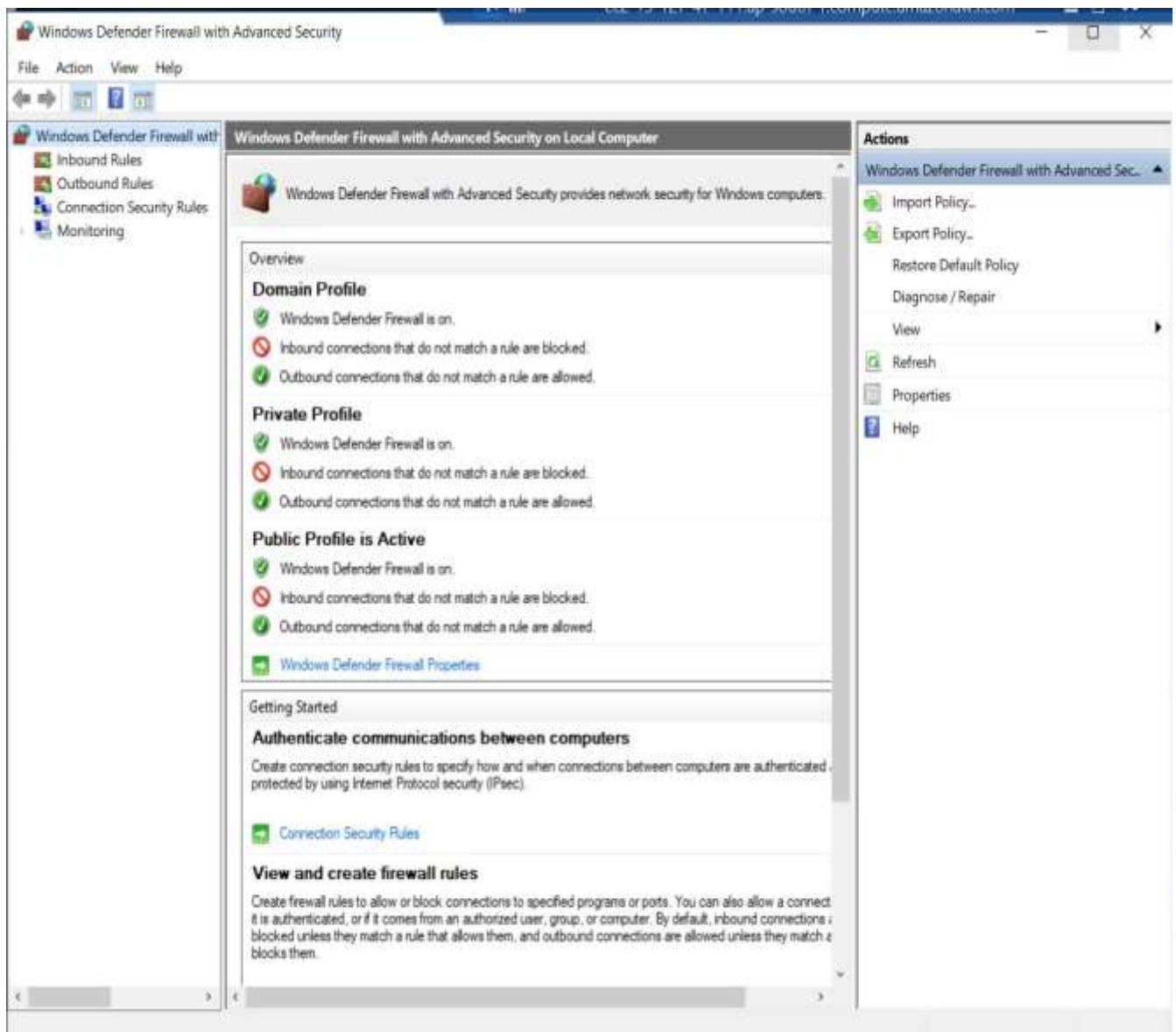
S-5) Now the Remote Desktop client is connected.





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S-6) Configure the windows firewall settings.





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S-7) Set Inbound Connections to allow.





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S-8) Download Xampp on the Remote Desktop.

download xampp for windows | Download XAMPP | ec2-13-127-47-111.ap-south-1.compute.amazonaws.com

← → ↻ 🔒 https://www.apachefriends.org/download.html?mscdd=26831b0db50411ecb00effefde0ca5e7

Apache Friends Download Add-ons Hosting Community About Search EN

Download

XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

XAMPP for Windows 7.4.28, 8.0.17 & 8.1.4

Version	Checksum	Size
7.4.28 / PHP 7.4.28 What's Included?	md5 sha1 Download (64 bit)	158 Mb
8.0.17 / PHP 8.0.17 What's Included?	md5 sha1 Download (64 bit)	160 Mb
8.1.4 / PHP 8.1.4 What's Included?	md5 sha1 Download (64 bit)	164 Mb

[Requirements](#) [Add-ons](#) [More Downloads »](#)


Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms [here](#).

Documentation/FAQs

There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question that's not answered here? Try the Forums or Stack Overflow.

- [Linux FAQs](#)
- [Windows FAQs](#)
- [OS X FAQs](#)
- [OS X XAMPP-VM FAQs](#)

Add-ons

 Bitnami provides a free all-in-one tool to install WordPress on top of



S-9) Copy the project files to the remote desktop and save it to the htdocs folder in Xampp. Then start the apache and Mysql sever.

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021] ec2-13-127-47

XAMPP Control Panel v3.3.0

Modules

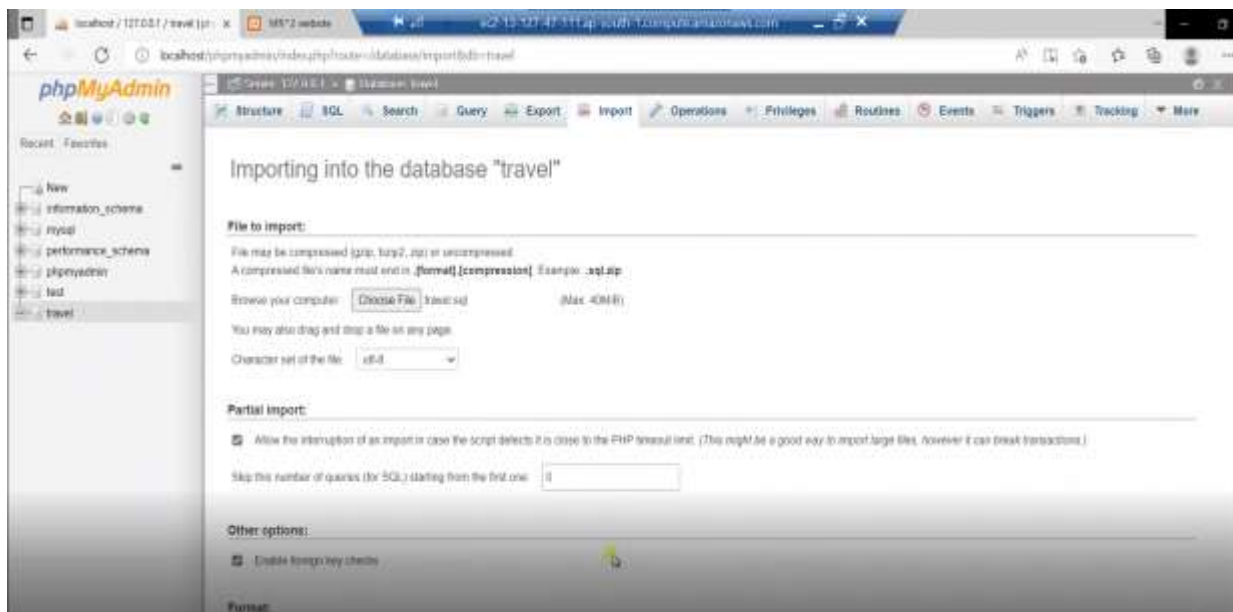
Service	Module	PID(s)	Port(s)	Actions
	Apache	7296 7700	80, 443	Stop Admin Config Logs
	MySQL	4516	3306	Stop Admin Config Logs
	FileZilla			Start Admin Config Logs
	Mercury			Start Admin Config Logs
	Tomcat			Start Admin Config Logs

5:33:00 PM [main] All prerequisites found
5:33:00 PM [main] Initializing Modules
5:33:00 PM [main] Starting Check-Timer
5:33:00 PM [main] Control Panel Ready
5:33:43 PM [Apache] Attempting to start Apache app...
5:33:44 PM [Apache] Status change detected: running
5:33:46 PM [mysql] Attempting to start MySQL app...
5:33:47 PM [mysql] Status change detected: running



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S-10) Open Phpmyadmin tab and in that create a new database. And import the Travel.sql database file in it from the localhost.





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Server: 127.0.0.1 • Database: travel

Structure SQL Search Query Export Import Operations Privileges Routines Events

Filters

Containing the word

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> advertisement	★ Browse Structure Search Insert Empty Drop	12	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> category	★ Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> contactus	★ Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> enquiry	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> package	★ Browse Structure Search Insert Empty Drop	26	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> subcategory	★ Browse Structure Search Insert Empty Drop	28	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
7 tables	Sum	84	InnoDB	utf8mb4_general_ci	112.0 KiB	0 B

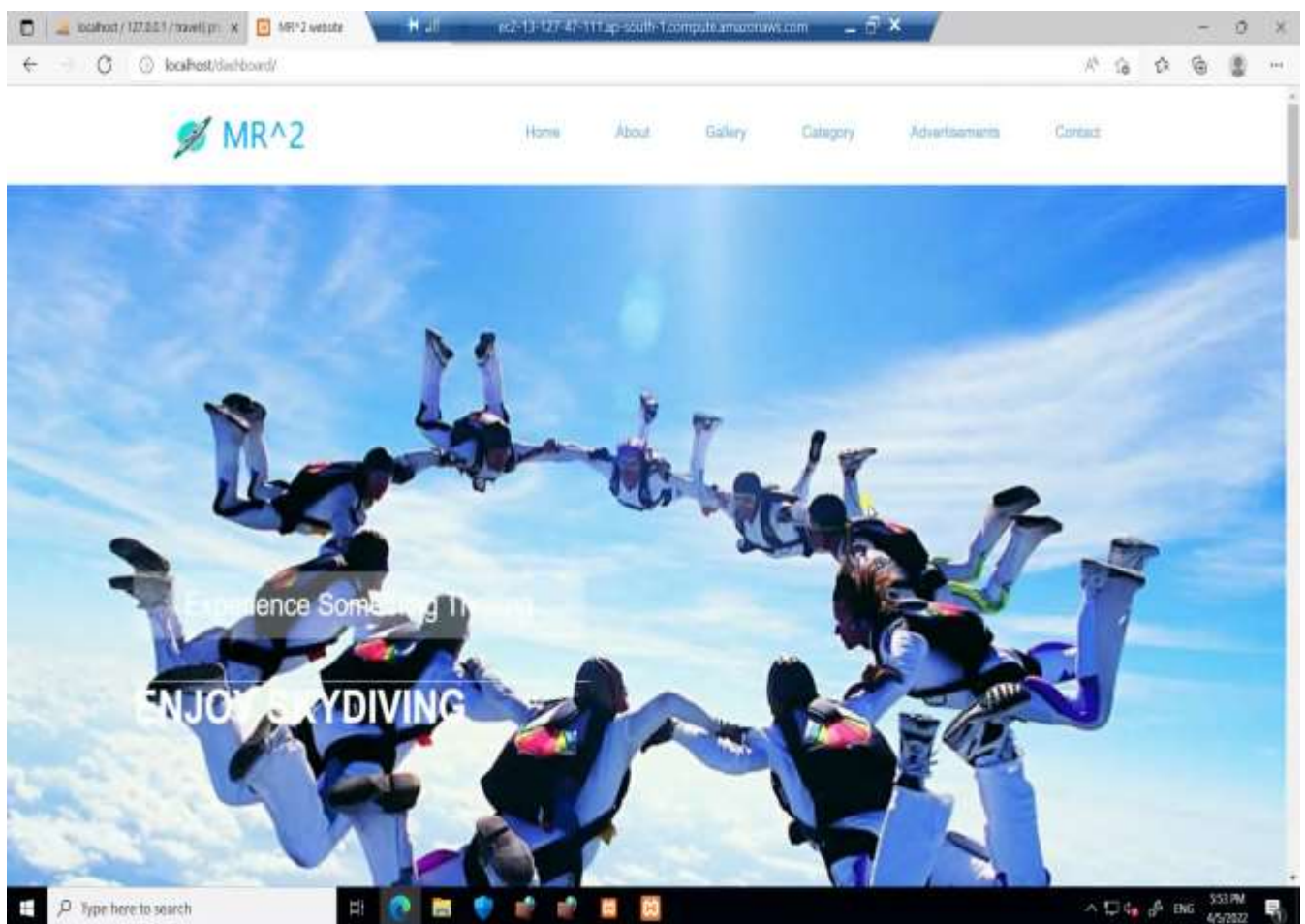
☐ Check all

Print Data dictionary



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S-11) Enter the public IPV4 address in the browser and this will display our website. Hence the website is deployed successfully.





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localhost / 127.0.0.1 / index.php?version=5 MR^2 website 602-13-1227-40-7111@gmail.com

localhost/index.php?version=5

MR^2

Home About Gallery Category Advertisements Contact

Contact Us

Plan Your Trip Our travel experts can help you book now!

MR^2 Enterprises

NEED HELP BOOKING PACKAGE
For fantastic suggestions you may also call our travel expert

(+91) 8436258821 - (+91) 7600300090
info@MR^2.com - support@MR^2.com
B-5, Malera Residence, New delhi.

Contact Us

Message

Send message

00:01:34 00:01:33

Type here to search

30°C 05:54 13-04-2022



Admin Log In

User Name:

Password:

LOGIN

Designed by Manasi



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[Preview Website](#)

[Log Out](#)

Admin Links

- [Add User](#)
- [Update User](#)
- [Delete User](#)
- [Add Category](#)
- [Update Category](#)
- [Delete Category](#)
- [View Category](#)
- [Add Subcategory](#)
- [Update Subcategory](#)
- [Delete Subcategory](#)
- [View Subcategory](#)
- [Add Package](#)
- [Update Package](#)
- [Delete Package](#)
- [View Package](#)
- [Add Advertisement](#)
- [Delete Advertisement](#)
- [View Advertisement](#)
- [View Enquiry](#)



Designed by Manasi



[Home](#)

[About](#)

[Gallery](#)

[Categories](#)

[Advertisements](#)

[Contact](#)

[ALL](#)

[Domestic Travel](#)

[Foreign Travel](#)

[Short Date Tour](#)

[Long Date Tour](#)





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6.Summary:

We created a Travel and tourism itinerary website which helps the users to book their dream destination within their budgets.

Our website uses HTML, CSS, JAVASCRIPT for the FRONT END AND PHP, MYSQL IN BACKEND and we use the EC2 service of the Amazon Web Services for hosting the website.

It's simple to use, simple for admin to add, delete, update users, packages, categories etc. And allows the user to enquire about the packages they are interested in by enquiring about the packages and contacting us.

Future Scope:

- Many more services can be added into the website like hotel and lodge booking, Flight booking and train reservation system.
- Chatbot can be added for providing live assistance.



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7. Learning Outcomes:

The main aim of this project was to understand the concepts of cloud computing and implement them by the means of a project. During the course of development of this project we learned to use the AWS Cloud console in terms of using the different services provided by AWS.

- 1) Studied one of the many methods to host a website using Amazon Web Services (free tier services) EC2 instance.
- 2) Studied about EC2 Instance, RDP Client, Remote desktop connection etc



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8. References:

1) Installing Phpmyadmin,php,mysql,apache:

<https://www.digitalocean.com/community/tutorials/how-to-install-the-apache-webserver-on-ubuntu-18-04>

2) Amazon Web Services Docs:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/get-set-up-for-amazonec2.html>



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9. Acknowledgement

We have great pleasure in presenting the report on “Travel & Tourism website Project”. We take this opportunity to express our sincere thanks towards our guide ,for providing the technical guidelines and suggestions regarding line of work. We would like to express our gratitude towards constant encouragement, support and guidance through the development of project.