**SILIGURI COLLEGE**



DEPARTMENT OF COMPUTER SCIENCE

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**Responsive Travel Agency Website**

A project submitted in the requirements for the degree of

BACHELOR OF SCIENCE (HONOURS)

in

COMPUTER SCIENCE

By

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CERTIFICATE

This is to certify that the thesis entitled, “Responsive Travel Agency Website”, submitted by Debasish Biswas, Anuradha Roy and Shubhajit Barman in partial fulfilment of the requirements for the award of Bachelor of Science (Honors’) Degree in ‘COMPUTERSCIENCE’ at the Siliguri College, (Affiliated to University of North Bengal) is an authentic work carried out by him under my supervision. To the best of my knowledge, the matter embodied in the thesis has not been submitted to any other university / institute for the award of any Degree.

Date:

Teachers’

Dept. of Computer Science

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ACKNOWLEDGEMENT

Under the esteem guidance of our project guide Teachers of Department of computer science, Siliguri College detail study of ONLINE EXAMINATION/ ASSESSMENT PORTAL and its applications to various models has been studied as well as simulation has been done. We are very thankful for his whole-hearted co-operation without which this project could not have been completed.

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INTRODUCTION

An online presence for a business is very much important now days. As now If people want to know anything they just do a simple Google search. So, for a Travel Agency it is very important to have a website on the web.

So that if someone want to travel somewhere and need a travel agency for their travel, they can remotely contact the company for that and book their slot.

It helps the traveler for better traveling experience, and assurance for their safety form local scam that happened too much with foreign travelers.

It also profits the company by increase their reach to the people who wants to travel.

OBJECTIVE OF THE PROJECT

The objective of this project is simply an online presence of a travel agency company who features many beautiful places for travel partner with them.

In the website the people can see the feature places that is provided by the company. They can see briefly how the place look, peoples review about the place. What they experience after reaching, what they can do there etc.

In this modern world everyone does things in online. It helps the seller and the customers to connect with each other without an involvement of a third person. It helps the company.

ANALYSIS

* Proposed System

The website should have the feature locations, with gallery and a brief description of the place.

An section where people can see about the company, and read about them like what they provide while travelling with them. And a Contact section from where they can reach the company easily. Also, a message box where interested people can leave their contact info. And their message and feedback So that the company can reach them.

* System Specifications:
  + - Hardware Requirements

1. Pentium-i3 3rd gen(Processor).
2. 4 GB Ram
3. 4 MB Cache Memory
4. Hard Disk 10 GB
   * + Software Requirements

1. Operating System: Windows 7 or above
2. Web Technology: PHP
3. Front-End: HTML, CSS, JAVASCRIPT
4. Back-End: Firebase NoSQL Database
5. Web Server: Firebase

IMPLEMENTATION DITLAIS

* Requirements:

The requirements is a website feature the company profile what we do, why chose us, feature destinations pages and details.

Need a sign in method for the visitor information. And feedback or message area which save in database. And a live chat section from where visitor can ask and query what they want to know.

1. Landing page
2. Destination page
3. User authentication
4. Location Map
5. Feedback-Message data store
6. Live chat widget

* Design:

As requirement the visual aspect of the website is very important, there is not much work in the backend, just the i) User data save

ii) User Authentication

iii) Feedback store in database

iv) live message intrigation.

* UI :

Home Page

Footer Section

Logo

Quick Chat

Widget

Contact section

Gallery

About us

Popular location

Home section

Navbar

Slide Show

Background

Footer

Slide show

Destinations

Header and nav

Usecase Diagram:

A use case is a description of set of sequence of action. Use case diagram graphically shows a set of use cases that can be done by the user or visitor of the page.

Take contact & location info.

Chat forms the widget

Message feedback

Log in with Google

user

Dataflow Diagram:

A context-level DFD for the system the primary external entities produce information for use by the system and consume information generated by the system. The labeled arow represents data objects or object hierarchy.

DATABASE:

Quick Chat Data

feedback and message data

USER AUTHENTICATION

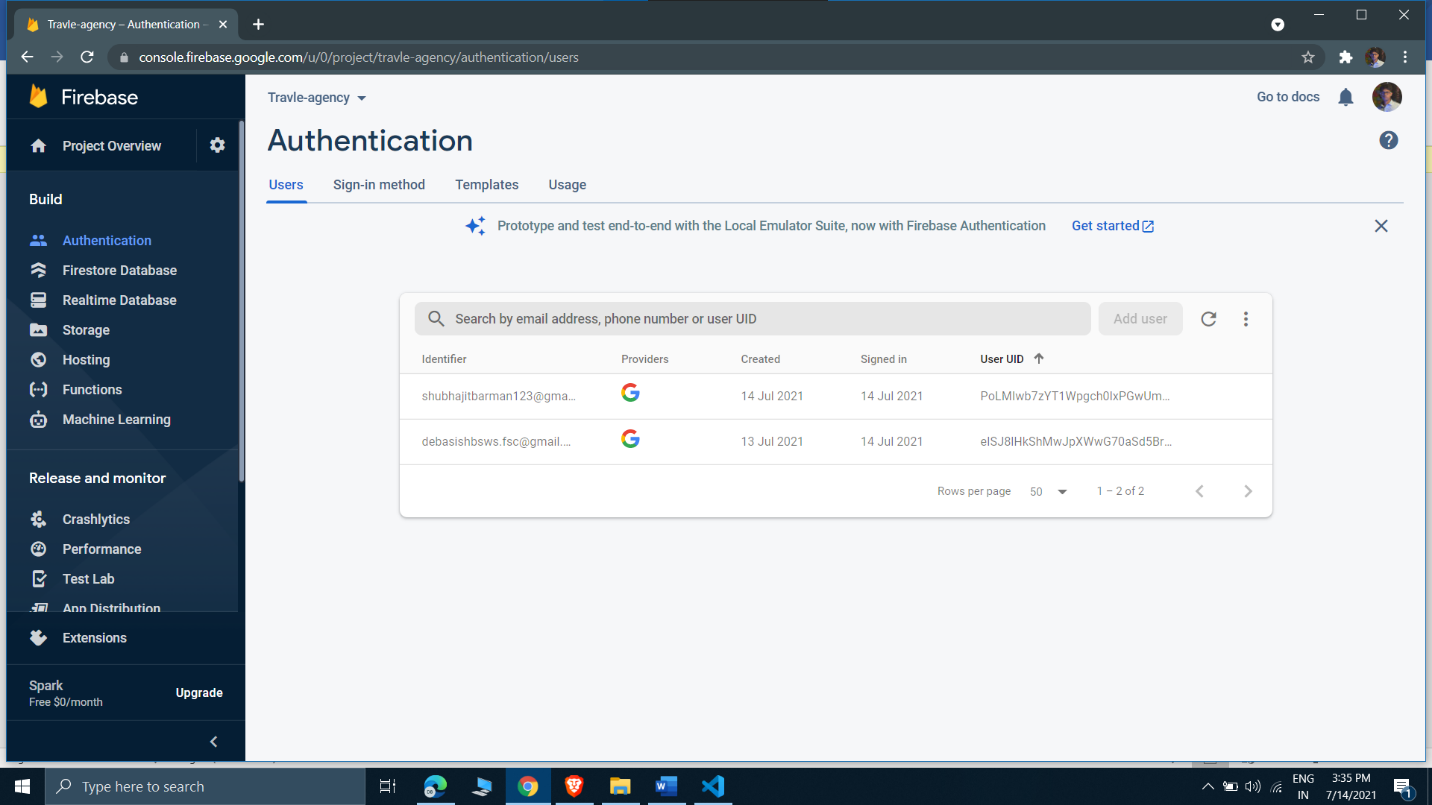
data

DATABASE

User info. From Google

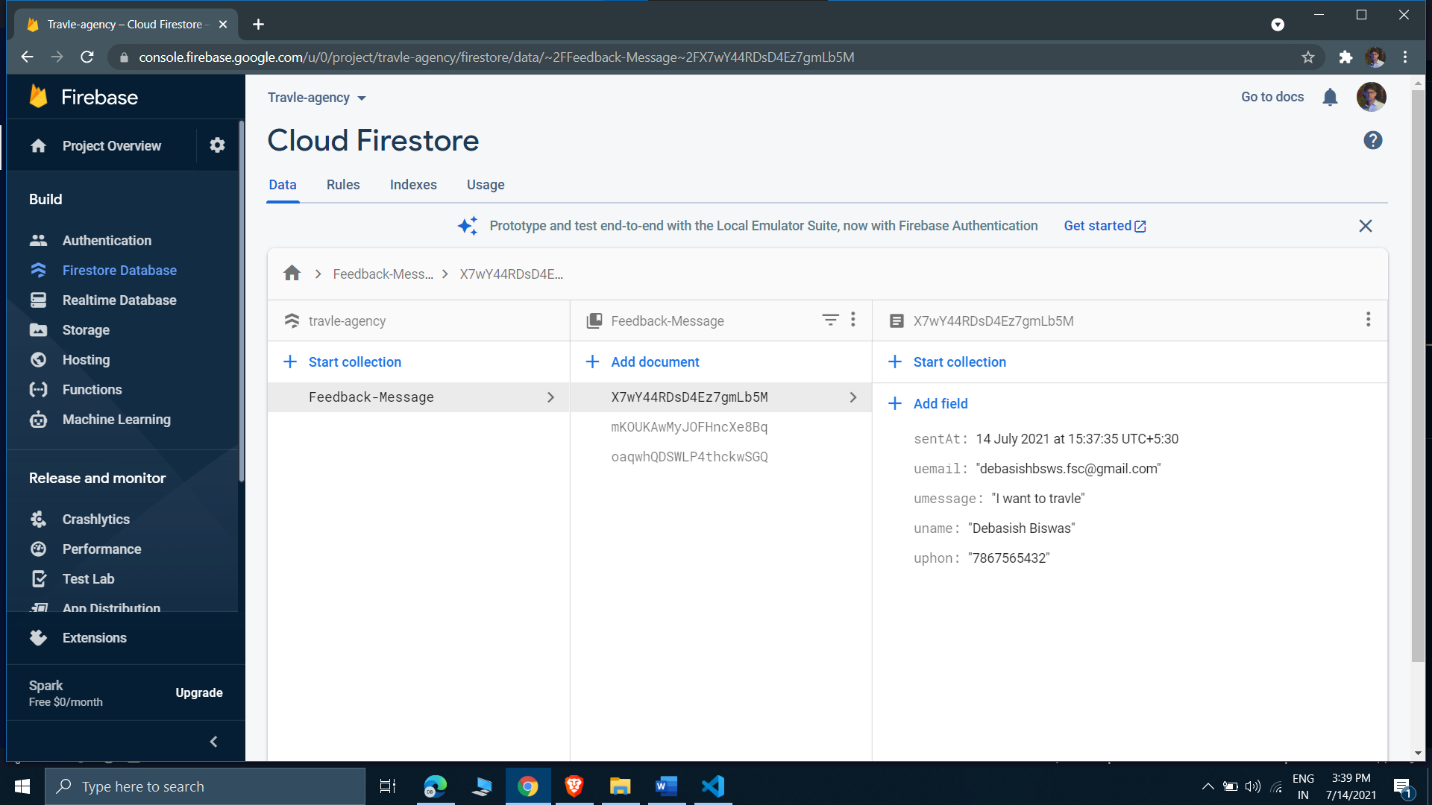
We have use the firebase cloud storage for our database(FIRESTORE). It is a NoSQL database

Authentication database..

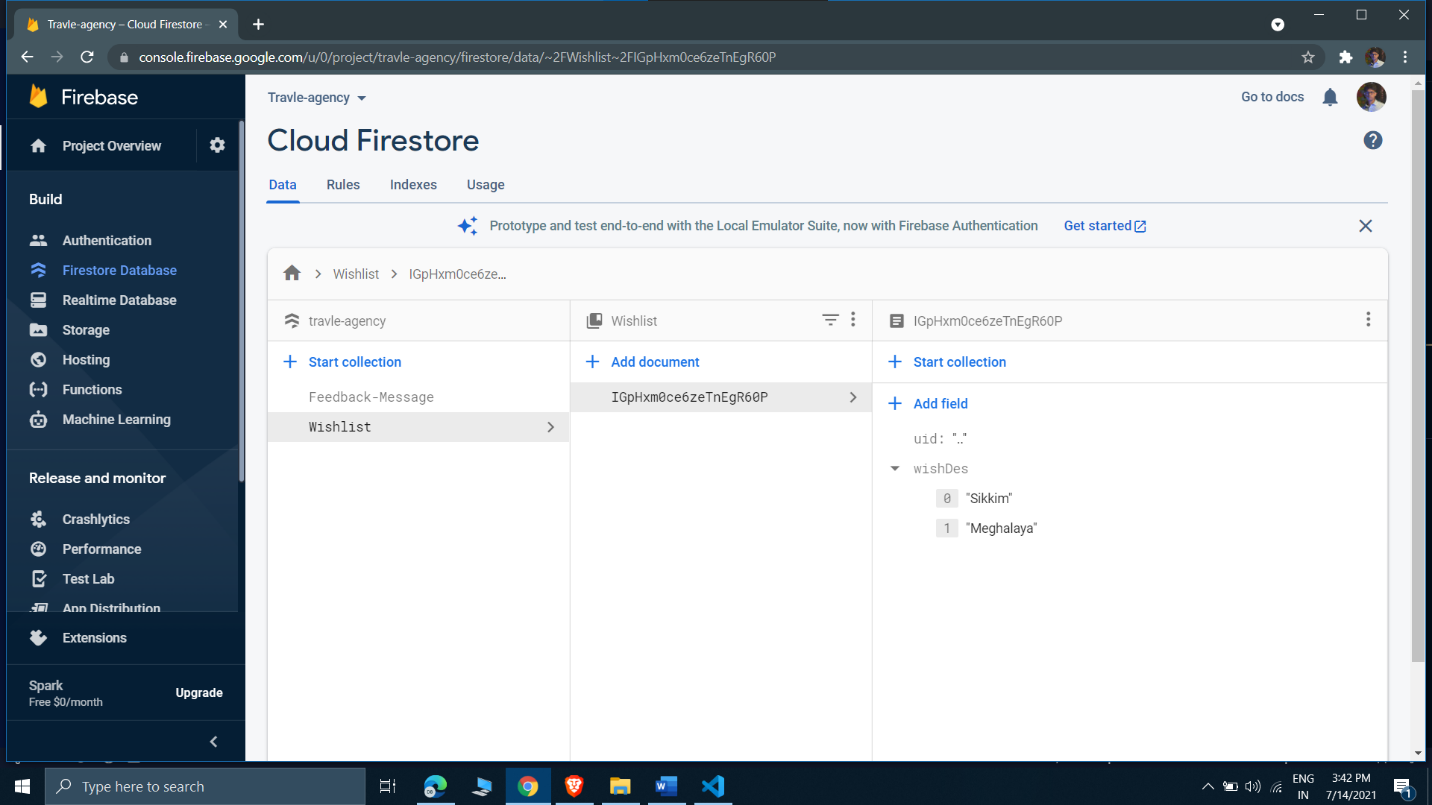


Here every user have their unique Id from that we can identify them.

And we also get the user info that are available in the google like NAME, EMAIL etc.

Feedback- Message database:

This document have the field the user name, email, phone no, message, and the time the message was sent.

WishList Database:

There is the user id and array of places that they want to visit in wishlist.

IMPLIMENTATION:

For the implementation of this project we create the front end with HTML, CSS, and give some responsive function with JavaScript. There will be the main index.html file in the root public directory with the main.css and app.js file.

And a destination folder for the Destination page.

In the backend we use the language Javascript as we use FireBase as our backend server.

Firebase SDK provide us the feature of user authentication via google API , and the widget for quick chat .

As the Database we use Firestore that is the cloud storage provided by Firebase.

Everything will be very easy for the admin to control from the backend through firebase consol like user deletion, password reset, data modification and many more.

MAINTENANCE:

As the number of people coming to the website expand. In house developed projects produced thousands soft program source statement, a dark cloud appear on the horizon, and as the business expand more feature have to come to this site.

For all this correction modified user requirements change, or adapted new etc. were collectively called in this maintenance phase.