

# Advanced Programming

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# E-Travel Project

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## 1 Introduction

The objective of this project is to develop an E Travel website with functionality such as flight booking and hotel booking. The website is equipped with features such as User registration, user login, surfing the flight list, hotel list, checkout option and user profile.

Our deployed site can be accessed at:

## 2 Acknowledgement

First and foremost we would like to thank Professor Anirban Mondal for his guidance.

We also would like to thank our TAs - Koishore Roy, Arup Mondal, Debargha Ganguly and Akhil Kumar for giving us appropriate help when we needed it and keeping us motivated.

## 3 Technologies used

We have used Django as our backend stack. For frontend we are using web template engine, Jinja, to create frontend.

List of the libraries we have used can be found on our git hub readme and requirement.txt file.

## 4 How to use the code

You can access the deployed website at

Or you can run the website locally by following the below process.

- Open the folder in the terminal.
- install the required libraries (list of required libraries can be found on requirement.txt file or readme on github)
- initiate django server by using the command "python manage.py runserver"
- access the webapp using localhost.

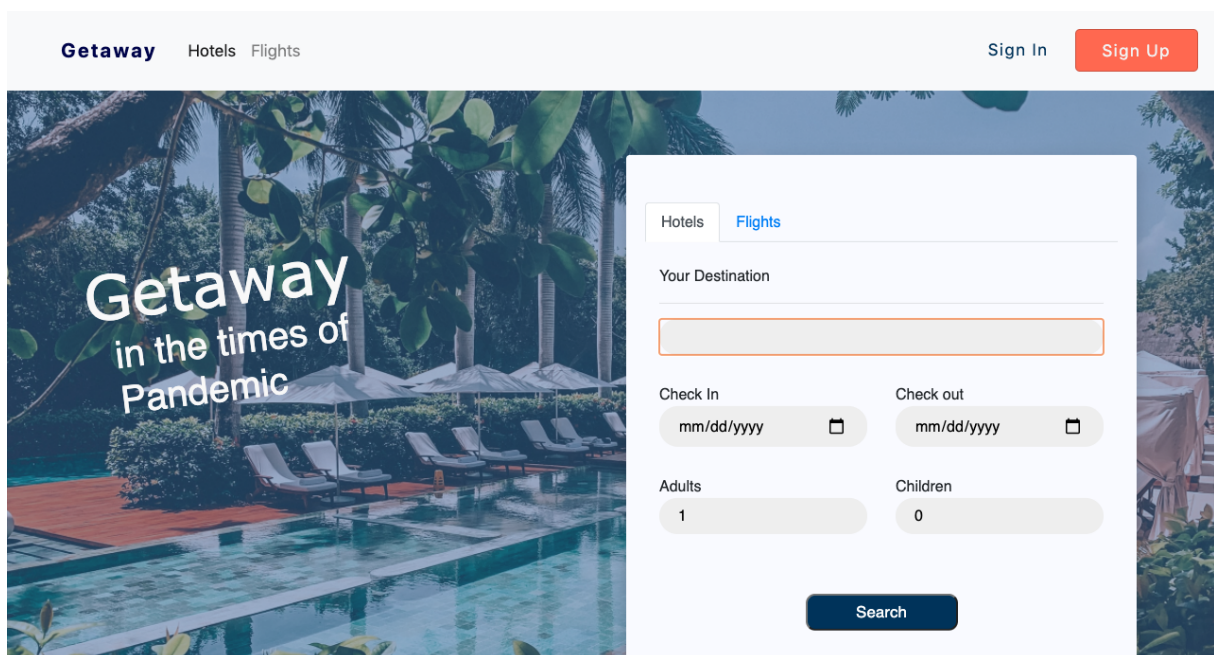
## 5 Website Description

### 5.1 Description

- Any user can view the flights and their descriptions.
- Any user can view the hotels and their descriptions.
- Any user can register.
- Registered user can see their profile and update their personal information.
- On checkout user will be asked to provide shipping details.

### 5.2 Pages

- Home Page
- Login Page
- Register Page
- Flights page
- Hotels Page
- Order Confirmation page



The screenshot displays the 'Getaway' website interface. The top navigation bar includes the 'Getaway' logo, links for 'Hotels' and 'Flights', and buttons for 'Sign In' and 'Sign Up'. The main visual is a large background image of a resort pool with the text 'Getaway in the times of Pandemic'. Overlaid on the right is a search form. The form has tabs for 'Hotels' and 'Flights', with 'Flights' currently selected. It includes a 'Your Destination' input field, 'Check In' and 'Check out' date pickers (both showing 'mm/dd/yyyy'), and 'Adults' (set to 1) and 'Children' (set to 0) selectors. A 'Search' button is at the bottom of the form.

Getaway Hotels Flights Sign In Sign Up

Getaway in the times of Pandemic

Hotels Flights

Your Destination

Check In mm/dd/yyyy Check out mm/dd/yyyy

Adults 1 Children 0

Search

## 6 Website Pages

### 6.1 HomePage:

- The home page will show forms to search hotels or flights
- there are two tabs on homepage with hotels/ flight forms
- After pressing search button user will be redirected to flights or hotels page.
- Towards the end of page there is also option to make comments

## Comments

Write your comment here!

Share

### Latest Comments

Rohan Mishra

This is awesome website. I would love to comeback again.

April 14, 2019

James Bond

This helped me a lot during my trip planning. Top notch website

April 14, 2019

## 6.2 Registration Page

- User enters email: validate for something@something.something
- User enters username: must be 3 characters long, alphanumeric with specific allowed only. No other characters allowed.
- max limit of the username is 150 characters

GetawayHotelsFlights

Sign InSign Up

Register

Username\*

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

First name\*

Enter your first name

Email\*

Enter a valid email address

Password\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.

## 6.3 Login Page

- User enters username and password and then is on the homepage feed upon successful login.

GetawayHotelsFlights

Sign InSign Up

Login

Username\*

Password\*

Login

Don't have an account? [Register here!](#)

## 6.4 Hotels Page

- Users can input the details to bring the hotels
- users can then check the hotels

YOUR DESTINATION

ARRIVAL DATE

DEPARTURE DATE

Book Now

INTERCONTINENTAL SYDNEY

SYD

Positioned on the edge of the worlds most stunning harbour InterContinental Sydney overlooks the Opera House Circular Quay Sy...

AC

Heritage

\$346.00

BOOK

IBIS SYDNEY DARLING HARBOUR

SYD

Centrally located in the heart of Darling Harbour, ibis Sydney Darling Harbour is one of Sydney's most popular 3.5 star hotel...

AC

Heritage

Pool

Gym

\$157.50

BOOK

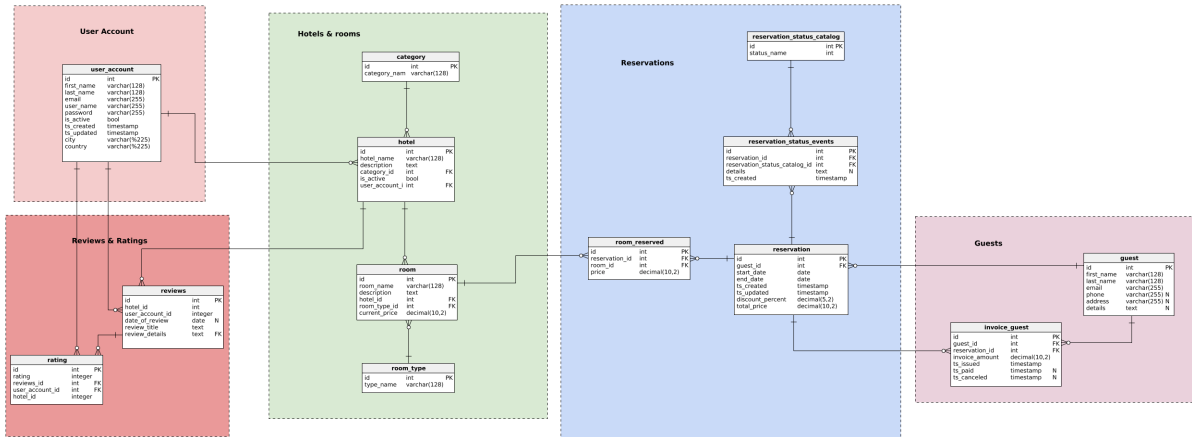
## 6.5 Flights Page

- Users can input the details to bring the Flights
- users can then check the hotels

DEL ✈ LON						
2020-11-26 ⇄ 2020-12-07						
AIRLINE	BOARDING	DESTINATION	DURATION	PRICE	AVAILABLE SEATS	BOOK
UK	02:15	06:55	10H10M	\$263.84	73	<div>Book</div>
EY	08:55	17:45	14H20M	\$285.65	62	<div>Book</div>
EY	21:05	06:45	15H10M	\$285.65	80	<div>Book</div>
EY	21:05	14:50	23H15M	\$285.65	6	<div>Book</div>

## 7 Models:

We started our project with creating models. However, we couldn't implement some parts



## 8 API:

In this project we are using Amadeus APIs

## 9 Special Features:

### 9.1 Auto generated email to newly registered user.

When an unregistered user, register on the site, they receive auto generated email on the registered email.

## 10 Reference:

Please read github readme file for references.