**Bookit now**

**Working with CSV files:**

1. Started Working with CSV files to display data on Search results page. CSV files are stored in Amazon Server S3 bucket.

2. Developing Application using CSV files data for Results page and top dog api services For Checkout page.

3. But the problem is In Amazon Server CSV files are not updated from Jan 6th 2018.So we are not able to get the present hotels and prices from CSV.

4. Here we stop the Working on CSV and started working on Another Third party API called GIATA from ground level.

**Working with GIATA API:**

1. Getting images And Hotel facilities, description, Board basis, prices From Giata API urls.

2. After Developing Application using GIATA API. The Giata Hotel ids are not matching with TOPDOG API Hotel ids. And again stop working with GIATA API.

**Working with TOPDOG API:**

1. Started fresh Application with new Designs with TOP DOG API for the results page and checkout pages

2. Integrating new designs into Angular framework

3. Splitting Header and Footer according to designs

4. Creating the separate components for header and footer imported in the main module.

**Header Component:**

5. Implementing the all 3 types of search functionality According to designs.

6. According to designs search forms are placed in home component but not in the header component.

7. After design Changes for Search form should be in all pages we changed the header component and home component.

<https://test.bookit-now.co.uk/>

8. Removing the search form from home component and placed in header component and the header component is available for all pages According to requirement

9. For the search form collecting airport codes and names for departure and arrivals .creating JSON files for that and placed in drop down select tag.

import { arrivalsAirports } from '../../../assets/aeroarrivalsairports';

import { arrivalsAirportsGroups } from '../../../assets/aeroarrivalsairportgrps';

import { departs } from '../../../assets/aerodeparts';

10. For date input tag installed date picker plug-in in angular

import { DpDatePickerModule } from 'ng2-date-picker';

11. For Adults, children, Infant count increment and decrement following functions are used

adultIncrement()

adultDecrement()

childIncrement()

childDecrement

infantIncrement()

infantDecrement()

12. After clicking the Search button model popup is getting along with image and details like date departure and nights.

13. For the image copy rights the model popup image is changed .according to requirement new model popup and image is replaced

data-target=".Wait"

jQuery('#Wait').modal({ backdrop: 'static', keyboard: true, show: true});

14. Search functionality is working based on search type and search function

search(id:any) { this.searchType=id;}

a. flight+hotel **: this.searchType =0**

b. hotel **: this.searchType=2**

c. flight: **this.searchType=1**

**Home Component:**

**Top holiday deals**:

1. All inclusive holidays , beach holidays, summer holidays , winter holidays, low deposit holidays, city break holidays, recently viewed
2. These all data coming from MySQL database which is created in cpanel.
3. Databasename: bookitnowco , table name: offers
4. All these pages are imported in home module these file are loaded with lazy loading

import {AllIncComponent} from './pages/allincholidays.component';

import {SummerHolidaysComponent} from './pages/summerholidays.component';

import {BeachHolidaysComponent}from './pages/beachholidays.component';

import {LowDeositHolidayComponent} from './pages/lowdeposit.component';

import {LastMinuteComponent} from './pages/lastminute.component';

import {WinterHolidaysComponent} from './pages/winterholidays.component';

import { RecentlyViewedComponent } from './pages/recentlyviewed.component';

populateAllInc(){} method is used for all holiday deals with appropriate where condition

eg:

populateAllInc() {

let postData = {'where\_to\_display':'winter'}; // for winter holidays

let postData = {'where\_to\_display':'all\_inc'}; // for all inclusive holidays

postData['limit'] = 6;

1. Limited to display data is 6 holidays for each holiday type
2. Click on view deal button navigate to Deals component

**Top holiday destinations:**

1. Top holiday destinations are coming from the following JSON file

import { topdestinations } from '../../../assets/topdestinations';

2. These data displayed on the list view consists destination name and price and consists of method passing destination codes.

topdestinationsview(topdes.value){}

3. Click on destination link the model popup is opened and passing the date, destination code. Adding 3 days to the today date. And navigating to the results page.

**To get Great Deals:**

1. If user submit the subscribe form user details (name & mobile number) are save into the MySQL database, subscribes table

**Footer Component:**

**Top beach holidays:**

1. Top beach holidays are coming from the following JSON file

import { footerdestinations } from '../../../assets/footerdestinations';

2. These data displayed on the list view consists destination name and consists of method passing destination codes.

footerdestinationsview(data){}

3. Click on holiday link the model popup is opened and passing the date, destination code. Adding 3 days to the today date, and navigating to the results page.

**SearchFlightHotel Component :**

1. Flight + Hotel component consists of all information about hotels and flights.

2. At initial stage of development getting all results from CSV files which are stored in Amazon server s3 bucket files. And latter we are changed to GIATA and now getting images and all information from TOPDOG API .

3. S3 bucket csv files are not updated so we moved to Giata and giata hotel ids are not matched with top dog hotel ids finally getting data, images , hotel information, flight information and everything from top dog api only.

4. At starting we are taking all 3 types of searches (hotel+flights,hotel,flight) as a single component and now dividing into 3 individual components.

5. After that getting results from top dog api And display data based on top dog api returned results. And displaying all types of board basis along with room types and prices

6. Now we are displaying results based on recommended hotels.

7. Recommended hotels are inserted into our database by own.

8. Inserting hotel id ,destination name and status for recommended hotels through admin panel

9. Click on search button in home page initially getting recommended hotels, after that we are getting Top dog results later. Here we are navigate the results page with recommended hotels and loading top dog results in search results page

10. Adding the Recommended label for the recommended hotels

11. After getting top dog api results we are updating the price

12. Developing the filters for Hotel name, star rating, Board basis, resort

13. For each hotel we are displaying only one board basis which is cheapest price for particular hotel

14. After selecting particular hotel navigating to the flights list and displaying flight consist of lowest price on top.

Methods:

1. The following data is need to be passed for results

selectedDate: tmpJSON['selectedDate'].toString().split(","),

selectedNights: tmpJSON['selectedNights'],

selectedAdults: this.selectedAdults,

selectedChildren: this.selectedChildren,

selectedInfants: this.selectedInfants,

selectedBoard: this.selectedBoard,

selectedRating: this.selectedRating,

destinationRegion: tmpJSON['destinationRegion'],

departureRegion: tmpJSON['departureRegion'],

selectedRooms: this.selectedRooms,

searchType: this.searchType,

dateVariance: this.dateVariance,

};

2. For getting board basis the following method is used

getBBdata(item) { }

if (this.searchResultsAggregated[item][0].split(",")[17] == 'AL') {

this.boardData = "All Inclusive";

}

AL -> for all inclusive

BB -> Bread and Breakfast

FB -> Full board

HB -> Half Board

RO -> Room only

SC -> self catering

3. For getting hotel information the following method is used

hotelInformation(images, nights, item) {}

**service:**

import { AllServicesService } from '../global/all-services.service';

**1. Service contains the following functions to getting data:**

getFullDetails(hotelIds){ } -> for getting all hotels information

getHotels(body:any){} -> for all hotels list

getHotel(hotelIds){ } -> for recommended hotels

**Select Hotel (viewhotel Component):**

1. According to initial designs we are getting only particular hotel and flight information along with images and integrated to component.
2. After changes of design and requirement we are changing the services and component functionality.
3. According to new designs we are displaying the flight information in the same component based on the flight price on the top.
4. For displaying images we are using priming galleria plug-in

import {GalleriaModule} from 'primeng/galleria';

1. Displaying

a) **Hotel Details**: hotel name, location, date, nights, stars rating, board basis (which is cheapest price), hotel information, and location with Google map api.

b) **Flight details**: flight name, Departure date, arrival date, Departure code, arrival code, price.

These all information getting from top dog api only.

**Selected Hotel:**

1. Selected hotel component consists of Room types, Board basis, Baggage Allowance, Transfer options.
2. According to initial design and requirement we are getting date and destination and only one board basis which is selecting in results page.
3. But According to new requirement we are displaying only one board basis which is cheapest in results page, and displaying all board basis for a selected hotel in the selected hotel page. We can choose and compare all types of board basics with available room types and check prices and choose best option and book your hotel.
4. Displaying hotel name, location, date, selected board basis, selected room type, hotel prices and flight prices.
5. Also displaying the flight name, Departure date, arrival date, Departure code, arrival code, and price.
6. If we select Baggage allowance, Transfer options, these prices also added to the Total price.

**Deals Component:**

1. From home component Top Holiday deals if we click on view deal button then we will navigate to the deal component.
2. All deals are coming from the following backend URL

<https://test.bookit-now.co.uk:1334/v1/featured-deals/footer>

1. Calendar consists of available deals for particular hotel according to selected month

These data coming from the following backend URL

https://test.bookit-now.co.uk:1334/v1/deals/calendar/

1. for getting the images the following variable is used

temp\_images = (brouchare\_data.data.Images).split('|');

1. Hotel information coming from the following backend URL

<https://test.bookit-now.co.uk:1334/v1/hotel/more-data/>

1. Filter the available hotels for particular dates on calendar based on Board basis, Airports and nights.

**Holiday types Component:**

1. In the header component we have holiday type dropdown. In that we have list of holiday types (Beach Holidays, low Cost Holidays…)
2. Click on holiday type link we will navigate to holiday types component here we display particular type of holidays with limit of 6 .
3. Path: from home component

import {HolidaytypesComponent } from `holidaytypes/holidaytypes.component'

1. Method is used to display holiday types

postData = {'where\_to\_display':'all\_inc'}; // for all inclusive

1. All these deals coming from our bookitnowcouk database.
2. Click on view deal button we navigate to the deal component