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ABSTRACT

This work aims to produce and disseminate information to persons who live busy lives. I'm thinking that users can't tell the difference between true and fake news, thus the app should incorporate all of the reliable sources from around the globe and then state in each article which source has verified this news. The high data storage capacity, processing power, and networking capabilities of this application can all be scaled using cloudcomputinginfrastructure.Scalingisquickandsimpleto do.

TABLEOFFIGURES

NewsTrackerApplication

1.INTRODUTION

The way consumers receive news is changing as a result of mobile appecosystems. When using a smartphone to read the news, it was once aspecialised pastime best left for times when the user was "on the go." Today,however, up to one in five US citizens who use a mobile device to get thenewsdosoonaregularbasis.TheUKshowsasimilarpicturewhenreadingin-depth news stories on a daily basis. This surge in mobile news access iscontributingtothecontinuousmigrationofnewsconsumerstotheInternet.

1.1   PROJECT OVERVIEW

As more consumers consume news on smartphones, desktops, and tablets,it is evident thatcustomisednewsapp interactions are necessary. Wepresent the results of three studies that highlight significant difficulties inthe creation of adaptable news app interfaces. We began by getting peopleto describe their reading preferences and passions. Three major readercategorieswerediscoveredbyourresearch.Followingthat,wecreatedandlaunchedanewswebsitethatlogsuserinteractions.Finally,weevaluatedavariety of adaptive user interfaces for different reader types. The analysisdemonstrates how various News app users will profit from the adjustmentinvariouswaysanddemonstratesthe viability ofadaptiveinterfaces.

1.2   PURPOSE

Because of how busy our lives are these days, we frequently feel as thoughwe need more than 24 hours per day to complete everything on our calendar.Thatisn'tpractical,butyoucansavetimebyreadingthenewsinadifferentwaythanyouoftendo.Toreceiveadailysneakpeek,justletusknowwhatmarket news you're interested in. Reading only the material you deemrelevant will help you save time. This software allows you to conductcomprehensive data searches on indices, commodities, currencies, futurerates,bonds,andothertopics,justlikeonreliable websites.

2. LITERATURESURVEY
2.1 Existingproblem

We frequently think that the day is too short to do everything. That isn'tpractical,butyoucansavetimebyreadingthenewsinadifferentwaythanyou often do.

Exploring mobile reading interaction for news app personalization

- **Objective**: News tracker is basically used to identify and monitor variety and diverse of news such as political,commercial,scientific,mediaplatforms.
- **Tool**: Cision Communications Cloud.
- **Advantages**:In this app news is already categorization .

Easily accessible and portable.

- **Disadvantage**: some apps demand premium subscription from user.

Occurance of Advertisement disturb the user.

An android based mobile framework for student alert notification

- **Objective**: News tracker is bascically used to get the news via bookmarked news resources such as india today,times now and also from social media plateforms like twitter,facebook,Instagram.
- **Tool**: Meltwater simplifies real time data monitoring with revamped tool.
- **Advantages**:Better user experience.

Apps help you convert visitors to loyal readers .

- **Disadvantage**: Sometimes the news gives brief information.

2.2 References

Exploring mobile news reading interactions for news app personalisation

1. Ofcom, News consumption in the UK, Public report (2014).

2. Pew Research Centre, The Future of Mobile News, Public report (2012).

3. Reuters Institute, Tracking the future of news, Public Report (2014)

2.3 ProblemStatementDefinition

Oneusermayutiliseseveralnews-sharingapplications,andtheseprogrammes are frequently inundated with warnings. In addition, a lot ofbogus news is reported. An app for sharing news aims to make it simplerfor users to get daily relevant and significant news and to make it evidentthatthematerial is accurateandwasacquiredfromreliablesources.

3. IDEATION&PROPOSEDSOLUTION

3.1 EmpathyMapCanvas

3.2 Ideation&Brainstorming

3.3 ProposedSolution

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-8	User: I get access to the dashboard which shows a news with all categories	5	High	Bharathi
		USN-9	Categorization of news based on the user needs	5	High	Akshaya
	Services	USN-10	Admin: I need to provide valid and real information regarding daily news	5	High	Divyasri
	Dashboard	USN-11	Management: I need to store all the news on the cloud.	5	High	Boomika
Sprint-3	Services	USN-12	Admin: I need to provide customer feedback through a chatbot.	5	Medium	Bharathi

		USN-13	Admin: I need to provide news based on gathering from other useful sources	5	Low	Akshaya
		USN-14	Admin: I need to provide safer web access while using the portal	5	High	Divyasri
	Registration	USN-15	User: I can register for the application through Facebook.	2	Low	Boomika
		USN-16	User: I can register for the application through Twitter.	2	Low	bharathi
Sprint-4	Services	USN-17	Admin: I need to provide easy access of news categorization when required by user	3	Medium	Akshaya
		USN-18	Admin: I need to provide special services	3	Low	boomika

3.4 ProblemSolutionfit

Project Title: NEWS TRACKER APPLICATION IN CLOUD APP DEVELOPEMENT

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMIDxxxxxx 08073

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS
Who is your customer?
i.e. working parents of 0-5 y.o. kids

News tracker app can be used by all age groups there is no age limitation
This app will be helpful to school students to older age groups in knowing the proper and real news updates regularly

6. CUSTOMER CONSTRAINTS CC
What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

News tracker app can be used offline
It is budget friendly to use for all age groups

5. AVAILABLE SOLUTIONS AS
Which solutions are available to the customers when they face the problem
or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

Removing advertisement is our avalaible solution
Adding categorization for old news
Reducing the mb size of the app

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS J&P
Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

User interface is not flexible and reliable for user.
according to the customer feedback the settings will be made.

9. PROBLEM ROOT CAUSE RC
What is the real reason that this problem exists?
What is the back story behind the need to do this job?
i.e. customers have to do it because of the change in regulations.

The main root cause of advertisement in news app,
because of paid promoters insist them to add the advertisement.
The another important problem in news app is fake news,the rootcause of the fake news is some intermediate medias may change the real content of that news thus this misleads the reader.

7. BEHAVIOUR BE
What does your customer do to address the problem and get the job done?
i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

while designing this app,we have already pre-built the "chat with us" option (or)"Report our issues"option.so this helps our customer to report their problem with us easily,so that we get sorted out the problem easily.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TR
What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.
By using trigger we can custom messages as when it can be shown or displayed in the screen as a notification

4. EMOTIONS: BEFORE / AFTER EM
How do customers feel when they face a problem or a job and afterwards?
i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

After getting new news updates the user becomes more aware of the present news happenings around him and becomes alert.

10. YOUR SOLUTION SL
If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.
If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

Finally our solution for this use would be developing and creating an user friendly portable advertisement and storage less application having more timely updated informations.

8. CHANNELS of BEHAVIOUR CH
8.1 ONLINE
What kind of actions do customers take online? Extract online channels from #7

8.2 OFFLINE
What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

Online:The users searching more information online by means of many websites which has to be provided in the app which he developes.
Offline:The user refers many offline sources like newspapers,magazines,journals whose information has tobe feeded in our app which we develope

Identify strong TR & EM

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

Following are the functional requirements of the proposed solution.

5. PROJECTDESIGN

5.1 DataFlowDiagrams

Flow
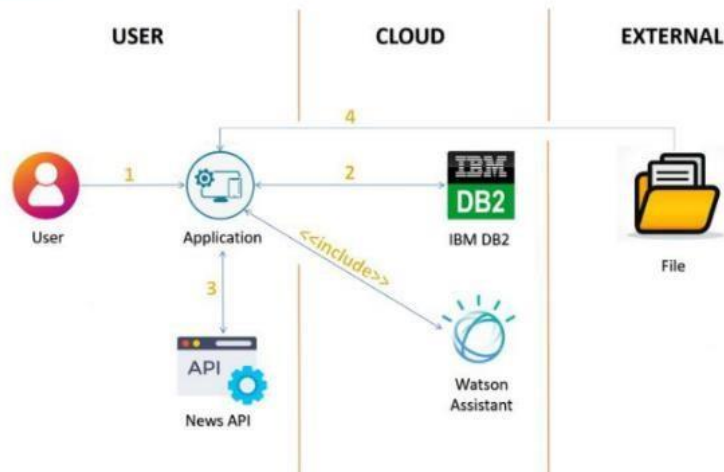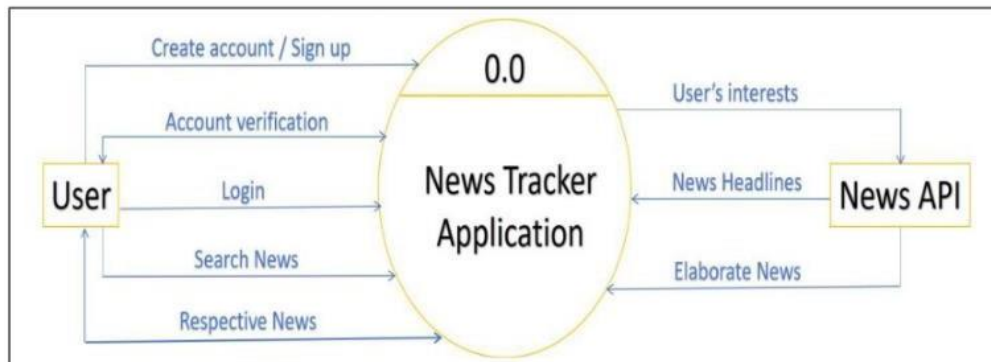
5.2 Solution&TechnicalArchitecture
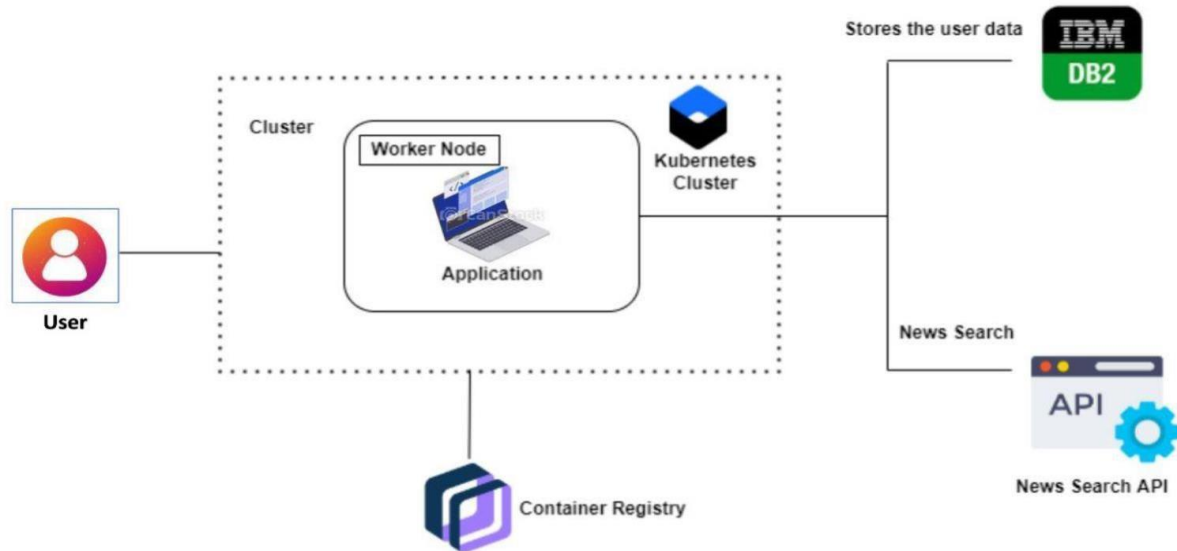
5.3 UserStories

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can log into the application by entering email & password	I can access my dashboard	High	Sprint-2
	Home Page	USN-4	As a user I can view the headlines of the news that interest me	I can read the news elaborately by clicking on the headlines	High	Sprint-2
		USN-5	As a user I can view the elaborate content of the headlines	I can download that to read it when iam free even in offine mode	Medium	Sprint-3
		USN-6	As a user I can search a news I want	I can read the news elaborately	High	Sprint-4
Customer Care Executive	Chatbot	USN-6	As a user I can solve my doubts about the application with the help of the chatbot.If the doubt is not resolved the chatbot guides us on how to contact the customer care executive	I can contact the customer care executive if needed	Medium	Sprint-3
Administrator	About us	USN-7	As a user I can view about the application and the developers of the application	I can be able to see their other applications	low	Sprint-4

6. PROJECTPLANNING&SCHEDULING

6.1 SprintPlanning&Estimation

Title	Description	Date
Literature Survey	Literature survey on theselected project & gatheringinformationbyreferringthe,technical papers, researchpublications etc.	2ndSeptember2022
PrepareEmpathyMap	PrepareEmpathyMapCanvasto capture the user Pains &Gains, Prepare list of problemstatements	7thSeptember2022

Ideation BrainStorming	List the by organizing thebrainstorming session andprioritize the top 3 ideas basedon the feasibility &importance.	15thSeptember2022
Proposed Solution	Prepare the proposed solutiondocument, which includes thenovelty, feasibility of idea,business model, social impact,scalabilityofsolution,etc.	23rdSeptember2022
ProblemSolutionFit	Prepare solution architecturedocument.	27thSeptember2022

SolutionArchitecture	Prepare solution architecturedocument.	30thSeptember2022
Customer Journey	Prepare the customer journeymaps to understand the userinteractions & experienceswith the application (entry toexit).	5thOctober2022
SolutionRequirement	Prepare the functionalrequirement document	12thOctober2022
Data FlowDiagrams	Drawthedataflowdiagramsandsubmitforreview.	15thOctober2022
Technology Architecture	Prepare the technologyarchitecture diagram.	16thOctober2022
PrepareMilestone &ActivityList	Prepare the milestones &activitylistoftheproject.	21stOctober2022
ProjectDevelopment -Delivery ofSprint-1,2,3&4	Develop & submit thedevelopedcodebytestingit.	19November2022

6.2 SprintDeliverySchedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-1	User: I can register for the application by entering my email, password and verifying password.	3	High	akshaya
	Registration	USN-2	User: I will receive a confirmation email once I have registered for the application.	2	High	Divyasri
Sprint-1		USN-3	User: I can register for the application through Gmail.	5	Medium	boomika

		USN-4	Management: I need to register to any news site for gathering valid information	2	High	Bharathi
		USN-5	User: I can log into the application by entering my email & password	3	High	Akshaya
	Login	USN-6	I need to login into my dashboard of the app with password	5	Medium	Divyasri
	Dashboard	USN-7	User: I need to give permission to access my Contacts, Location, and Storage	5	High	Boomika

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-8	User: I get access to the dashboard which shows a news with all categories	5	High	Bharathi
Sprint-2		USN-9	Categorization of news based on the user needs	5	High	Akshaya

7. CODING&SOLUTIONING

SIGNUP.HTML

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
    <title>Signup</title>
<metacharset="utf-8">
<metahttp-equiv="X-UA-Compatible"content="IE=edge">
<metaname="viewport"content="width=device-width,initial-scale=1">
<linkhref="https://fonts.googleapis.com/css?family=Roboto:400,700"rel="styl
esheet">
<title>BootstrapSimpleRegistrationForm</title>
<link
rel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/b
ootstrap.min.css">
<link
rel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/
css/bootstrap-theme.min.css">
<scriptsrc="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js">
</script>
<scriptsrc="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js
"><
/script>
<scriptsrc="static/sign_up.js"></script>
<style>
    body{
        color:
        #fff;background:#437
        38a;
```

```css
    font-family:'Roboto',sans-serif;
}
 .form-
   control{height:40
   px;
   box-shadow:
   none;color:#969fa
   4;
}
.form-
   control:focus{border-
   color:#5cb85c;
}
 .form-control,
     .btn{border-
     radius:3px;
 }
.signup-
   form{width:
   400px;margin:0a
   uto;
   padding:30px0;
}
.signup-form
   h2{color:#636363;
     margin:    0    0
   15px;position:
   relative;text-
   align:center;
 }
.signup-form h2:before, .signup-form
   h2:after{content:"";
   height:
   2px;width:30
   %;
   background:
   #d4d4d4;position:
   absolute;top:50%;
   z-index:2;
}
.signup-form
   h2:before{left:0;
}
.signup-form
   h2:after{right:0;
}
 .signup-form .hint-
   text{color:#999;
   margin-bottom:
   30px;text-
   align:center;
}
 .signup-form
   form{color:#999;
   border-radius:
    3px;margin-
    bottom:15px;
     background:#f2f3f7;
     box-shadow: 0px 2px 2px rgba(0, 0, 0,
     0.3);padding:30px;
 }
.signup-form .form-
   group{margin-
   bottom:20px;
}
.signup-form
```

```css
    input[type="checkbox"]{margin-
    top:3px;
}
.signup-form .btn{font-
    size: 16px;font-
    weight:bold;
```

```css
        min-width:140px;
         outline:none!important;
    }
    .signup-form .row div:first-
      child{padding-right:10px;
    }
    .signup-form .row div:last-
      child{padding-left:10px;
    }
     .signup-form
      a{color:#fff;
      text-decoration:underline;
    }
     .signup-form
      a:hover{text-
      decoration:none;
    }
    .signup-form form
      a{color:#5cb85c;
      text-decoration:none;
    }
    .signup-form form
      a:hover{text-
      decoration:underline;
    }
</style>
</head>
<body>
<divclass="signup-form">
    <form action="/sign_up" method="POST" name="signup"
onsubmit="returnvalidateform()">
      <h2>Signup</h2>
      <pclass="hint-text">Createyouraccount.</p>
       <divclass="form-group">
        <input type="text" class="form-control"
name="name"placeholder="Name"id="username"required="required
">
       </div>
       <divclass="form-group">
          <input type="email" class="form-control"
name="email"placeholder="Email"id="email"required="required">
       </div>

       <divclass="form-group">
          <input type="phone" class="form-control"
name="phone"placeholder="PhoneNo"id="phone"required="required">
       </div>

      <divclass="form-group">
           <select id="country" class="form-
control"name="country"id="country">
               <optionvalue="selectacountry">---Selectacountry---
</option>
               <optionvalue="Afghanistan">Afghanistan</option>
               <optionvalue="ÅlandIslands">ÅlandIslands</option>
               <optionvalue="Albania">Albania</option>
               <optionvalue="Algeria">Algeria</option>
               <optionvalue="AmericanSamoa">AmericanSamoa</option>
               <optionvalue="Andorra">Andorra</option>
               <optionvalue="Angola">Angola</option>
               <optionvalue="Anguilla">Anguilla</option>
               <optionvalue="Antarctica">Antarctica</option>
               <optionvalue="AntiguaandBarbuda">Antiguaand
Barbuda</option>
```

```html
<optionvalue="Argentina">Argentina</option>
<optionvalue="Armenia">Armenia</option>
<optionvalue="Aruba">Aruba</option>
<optionvalue="Australia">Australia</option>
<optionvalue="Austria">Austria</option>
<optionvalue="Azerbaijan">Azerbaijan</option>
<optionvalue="Bahamas">Bahamas</option>
<optionvalue="Bahrain">Bahrain</option>
<optionvalue="Bangladesh">Bangladesh</option>
<optionvalue="Barbados">Barbados</option>
<optionvalue="Belarus">Belarus</option>
<optionvalue="Belgium">Belgium</option>
<optionvalue="Belize">Belize</option>
<optionvalue="Benin">Benin</option>
<optionvalue="Bermuda">Bermuda</option>
<optionvalue="Bhutan">Bhutan</option>
<optionvalue="Bolivia">Bolivia</option>
<option value="Bosnia and Herzegovina">Bosnia
andHerzegovina</option>
<optionvalue="Botswana">Botswana</option>
<optionvalue="BouvetIsland">BouvetIsland</option>
<optionvalue="Brazil">Brazil</option>
<option value="British Indian Ocean
Territory">BritishIndianOcean Territory</option>
<option value="Brunei
Darussalam">BruneiDarussalam</option>
<optionvalue="Bulgaria">Bulgaria</option>
<optionvalue="BurkinaFaso">BurkinaFaso</option>
<optionvalue="Burundi">Burundi</option>
<optionvalue="Cambodia">Cambodia</option>
<optionvalue="Cameroon">Cameroon</option>
<optionvalue="Canada">Canada</option>
<optionvalue="CapeVerde">CapeVerde</option>
<optionvalue="CaymanIslands">CaymanIslands</option>
<option value="Central African Republic">Central
AfricanRepublic</option>
<optionvalue="Chad">Chad</option>
<optionvalue="Chile">Chile</option>
<optionvalue="China">China</option>
<optionvalue="ChristmasIsland">ChristmasIsland</option>
<option value="Cocos (Keeling) Islands">Cocos
(Keeling)Islands</option>
<optionvalue="Colombia">Colombia</option>
<optionvalue="Comoros">Comoros</option>
<optionvalue="Congo">Congo</option>
<option value="Congo, The Democratic Republic
ofThe">Congo,TheDemocraticRepublicofThe</option>
<optionvalue="CookIslands">CookIslands</option>
<optionvalue="CostaRica">CostaRica</option>
<optionvalue="CoteD'ivoire">CoteD'ivoire</option>
<optionvalue="Croatia">Croatia</option>
<optionvalue="Cuba">Cuba</option>
<optionvalue="Cyprus">Cyprus</option>
<optionvalue="CzechRepublic">CzechRepublic</option>
<optionvalue="Denmark">Denmark</option>
<optionvalue="Djibouti">Djibouti</option>
<optionvalue="Dominica">Dominica</option>
<option value="Dominican
Republic">DominicanRepublic</option>
<optionvalue="Ecuador">Ecuador</option>
<optionvalue="Egypt">Egypt</option>
```

```html
                <option value="El Salvador">El Salvador</option>
                <option value="Equatorial Guinea">Equatorial
Guinea</option>
                <option value="Eritrea">Eritrea</option>
                <option value="Estonia">Estonia</option>
                <option value="Ethiopia">Ethiopia</option>
                <option value="Falkland Islands (Malvinas)">Falkland
Islands(Malvinas)</option>
                <option value="Faroe Islands">Faroe Islands</option>
                <option value="Fiji">Fiji</option>
                <option value="Finland">Finland</option>
                <option value="France">France</option>
                <option value="French Guiana">French Guiana</option>
                <option value="French Polynesia">French Polynesia</option>
                <option value="French Southern Territories">French
Southern Territories</option>
                <option value="Gabon">Gabon</option>
                <option value="Gambia">Gambia</option>
                <option value="Georgia">Georgia</option>
                <option value="Germany">Germany</option>
                <option value="Ghana">Ghana</option>
                <option value="Gibraltar">Gibraltar</option>
                <option value="Greece">Greece</option>
                <option value="Greenland">Greenland</option>
                <option value="Grenada">Grenada</option>
                <option value="Guadeloupe">Guadeloupe</option>
                <option value="Guam">Guam</option>
                <option value="Guatemala">Guatemala</option>
                <option value="Guernsey">Guernsey</option>
                <option value="Guinea">Guinea</option>
                <option value="Guinea-bissau">Guinea-bissau</option>
                <option value="Guyana">Guyana</option>
                <option value="Haiti">Haiti</option>
                <option value="Heard Island and Mcdonald
Islands">Heard Island and McdonaldIslands</option>
                <option value="Holy See (Vatican City State)">Holy
See(VaticanCity State)</option>
                <option value="Honduras">Honduras</option>
                <option value="Hong Kong">Hong Kong</option>
                <option value="Hungary">Hungary</option>
                <option value="Iceland">Iceland</option>
                <option value="India">India</option>
                <option value="Indonesia">Indonesia</option>
                <option value="Iran, Islamic Republic of">Iran,
IslamicRepublicof</option>
                <option value="Iraq">Iraq</option>
                <option value="Ireland">Ireland</option>
                <option value="Isle of Man">Isle of Man</option>
                <option value="Israel">Israel</option>
                <option value="Italy">Italy</option>
                <option value="Jamaica">Jamaica</option>
                <option value="Japan">Japan</option>
                <option value="Jersey">Jersey</option>
                <option value="Jordan">Jordan</option>
                <option value="Kazakhstan">Kazakhstan</option>
                <option value="Kenya">Kenya</option>
                <option value="Kiribati">Kiribati</option>
                <option value="Korea, Democratic People's
Republicof">Korea,DemocraticPeople'sRepublicof</option>
                <option value="Korea,Republicof">Korea,Republic
of</option>
```

```html
<option value="Kuwait">Kuwait</option>
<option value="Kyrgyzstan">Kyrgyzstan</option>
<option value="Lao People's Democratic Republic">Lao People's Democratic Republic</option>
<option value="Latvia">Latvia</option>
<option value="Lebanon">Lebanon</option>
<option value="Lesotho">Lesotho</option>
<option value="Liberia">Liberia</option>
<option value="Libyan Arab Jamahiriya">Libyan Arab Jamahiriya</option>
<option value="Liechtenstein">Liechtenstein</option>
<option value="Lithuania">Lithuania</option>
<option value="Luxembourg">Luxembourg</option>
<option value="Macao">Macao</option>
<option value="Macedonia, The Former Yugoslav Republic of">Macedonia, The Former Yugoslav Republic of</option>
<option value="Madagascar">Madagascar</option>
<option value="Malawi">Malawi</option>
<option value="Malaysia">Malaysia</option>
<option value="Maldives">Maldives</option>
<option value="Mali">Mali</option>
<option value="Malta">Malta</option>
<option value="MarshallIslands">Marshall Islands</option>
<option value="Martinique">Martinique</option>
<option value="Mauritania">Mauritania</option>
<option value="Mauritius">Mauritius</option>
<option value="Mayotte">Mayotte</option>
<option value="Mexico">Mexico</option>
<option value="Micronesia, Federated States of">Micronesia, Federated States of</option>
<option value="Moldova,Republicof">Moldova, Republic of</option>
<option value="Monaco">Monaco</option>
<option value="Mongolia">Mongolia</option>
<option value="Montenegro">Montenegro</option>
<option value="Montserrat">Montserrat</option>
<option value="Morocco">Morocco</option>
<option value="Mozambique">Mozambique</option>
<option value="Myanmar">Myanmar</option>
<option value="Namibia">Namibia</option>
<option value="Nauru">Nauru</option>
<option value="Nepal">Nepal</option>
<option value="Netherlands">Netherlands</option>
<option value="NetherlandsAntilles">Netherlands Antilles</option>
<option value="NewCaledonia">New Caledonia</option>
<option value="NewZealand">New Zealand</option>
<option value="Nicaragua">Nicaragua</option>
<option value="Niger">Niger</option>
<option value="Nigeria">Nigeria</option>
<option value="Niue">Niue</option>
<option value="NorfolkIsland">Norfolk Island</option>
<option value="Northern Mariana Islands">Northern Mariana Islands</option>
<option value="Norway">Norway</option>
<option value="Oman">Oman</option>
<option value="Pakistan">Pakistan</option>
<option value="Palau">Palau</option>
<option value="Palestinian Territory, Occupied">Palestinian Territory, Occupied</option>
<option value="Panama">Panama</option>
```

```html
                    <option value="PapuaNewGuinea">PapuaNewGuinea</option>
                    <option value="Paraguay">Paraguay</option>
                    <option value="Peru">Peru</option>
                    <option value="Philippines">Philippines</option>
                    <option value="Pitcairn">Pitcairn</option>
                    <option value="Poland">Poland</option>
                    <option value="Portugal">Portugal</option>
                    <option value="PuertoRico">PuertoRico</option>
                    <option value="Qatar">Qatar</option>
                    <option value="Reunion">Reunion</option>
                    <option value="Romania">Romania</option>
                    <option value="Russian
Federation">RussianFederation</option>
                    <option value="Rwanda">Rwanda</option>
                    <option value="SaintHelena">SaintHelena</option>
                    <option value="SaintKittsandNevis">SaintKittsand
Nevis</option>
                    <option value="SaintLucia">SaintLucia</option>
                    <option value="SaintPierreandMiquelon">SaintPierreand
Miquelon</option>
                    <option value="Saint Vincent and The
Grenadines">SaintVincentand TheGrenadines</option>
                    <option value="Samoa">Samoa</option>
                    <option value="SanMarino">SanMarino</option>
                    <option value="Sao Tome and Principe">Sao Tome
andPrincipe</option>
                    <option value="SaudiArabia">SaudiArabia</option>
                    <option value="Senegal">Senegal</option>
                    <option value="Serbia">Serbia</option>
                    <option value="Seychelles">Seychelles</option>
                    <option value="SierraLeone">SierraLeone</option>
                    <option value="Singapore">Singapore</option>
                    <option value="Slovakia">Slovakia</option>
                    <option value="Slovenia">Slovenia</option>
                    <option value="SolomonIslands">SolomonIslands</option>
                    <option value="Somalia">Somalia</option>
                    <option value="SouthAfrica">SouthAfrica</option>
                    <option value="South Georgia and The South
SandwichIslands">SouthGeorgiaandTheSouthSandwichIslands</option>
                    <option value="Spain">Spain</option>
                    <option value="SriLanka">SriLanka</option>
                    <option value="Sudan">Sudan</option>
                    <option value="Suriname">Suriname</option>
                    <option value="SvalbardandJanMayen">SvalbardandJan
Mayen</option>
                    <option value="Swaziland">Swaziland</option>
                    <option value="Sweden">Sweden</option>
                    <option value="Switzerland">Switzerland</option>
                    <option value="SyrianArabRepublic">SyrianArab
Republic</option>
                    <option value="Taiwan">Taiwan</option>
                    <option value="Tajikistan">Tajikistan</option>
                    <option value="Tanzania, United Republic
of">Tanzania,UnitedRepublic of</option>
                    <option value="Thailand">Thailand</option>
                    <option value="Timor-leste">Timor-leste</option>
                    <option value="Togo">Togo</option>
                    <option value="Tokelau">Tokelau</option>
                    <option value="Tonga">Tonga</option>
                    <option value="TrinidadandTobago">Trinidadand
Tobago</option>
```

```html
                <optionvalue="Tunisia">Tunisia</option>
                <optionvalue="Turkey">Turkey</option>
                <optionvalue="Turkmenistan">Turkmenistan</option>
                <option value="Turks and Caicos Islands">Turks and
CaicosIslands</option>
                <optionvalue="Tuvalu">Tuvalu</option>
                <optionvalue="Uganda">Uganda</option>
                <optionvalue="Ukraine">Ukraine</option>
                <option value="United Arab Emirates">United
ArabEmirates</option>
                <optionvalue="UnitedKingdom">UnitedKingdom</option>
                <optionvalue="UnitedStates">UnitedStates</option>
                <option value="United States Minor Outlying
Islands">UnitedStatesMinor OutlyingIslands</option>
                <optionvalue="Uruguay">Uruguay</option>
                <optionvalue="Uzbekistan">Uzbekistan</option>
                <optionvalue="Vanuatu">Vanuatu</option>
                <optionvalue="Venezuela">Venezuela</option>
                <optionvalue="VietNam">VietNam</option>
                <option value="Virgin Islands, British">Virgin
Islands,British</option>
                <optionvalue="VirginIslands,U.S.">VirginIslands,
U.S.</option>Fu
                <optionvalue="WallisandFutuna">Wallisand
tuna</option>
                <optionvalue="WesternSahara">WesternSahara</option>
                <optionvalue="Yemen">Yemen</option>
                <optionvalue="Zambia">Zambia</option>
                <optionvalue="Zimbabwe">Zimbabwe</option>
            </select>
        </div>

        <divclass="form-group">
            <input type="password" class="form-control"
name="password"placeholder="Password"id="password"required="required">
        </div>
     <divclass="form-group">
            <input type="password" class="form-
control"name="confirm_password" placeholder="Confirm Password"
id="confirmpassword"required="required">
        </div>

     <divclass="form-group">
            <input type="submit" class="btn btn-primary btn-
block"value="Signup">
        </div>
    </form>
</div>
</body>
</html>
```

SIGNIN .HTML

```html
<!DOCTYPEhtml>
<html>

<head>
    <metacharset="utf-8">
    <metaname="viewport"content="width=device-width,initial-scale=1.0">
    <title>NewsTrackerApplication</title>
        <link
rel="stylesheet"href="https://cdnjs.cloudflare.com/ajax
/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
    <link
rel="stylesheet"href="{{url_for('static',filename='style.css')}}">
    <scriptsrc="static/sign_in.js"></script>

<style>

    .list-group
    {margin:10px0;
}

.list-group-item
    {margin:0;
    padding:0;
}

.alert{
    margin:0;
}

</style>

</head>

<body>
{%withmessages=get_flashed_messages()%}
    {%ifmessages%}
    <ulclass="flasheslist-group">
        {%formessageinmessages%}
        <liclass="list-group-item">
            <divclass="alertalert-success">{{message}}</div>
        </li>
        {%endfor%}
    </ul>
    {%endif%}
{%endwith%}
    <divclass="register-photo">
        <divclass="form-container">
            <divclass="image-holder"></div>
            <form method="POST" action="/" name="signin"
onsubmit="returnvalidateform()">
                <h2class="text-center"><strong>SIGNIN</strong></h2>
                <div class="form-group"><input class="form-
control"type="email"name="email"id="email"placeholder="Email"></div
>
                <div class="form-group"><input class="form-
control"type="password"name="password"id="password"placeholder="Password"><
/div>

                <divclass="form-group">
```

```
                    <a href="/forget_password"
class="already">Forgetpassword?Click here.</a>
                </div>
                <div class="form-group"><input type="submit"
class="btnbtn-primary btn-block" value="Sign in"></div><a
href="/sign_up"class="already">Donthaveanaccount?Signuphere.</a></form>
        </div>
    </div>
    <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min
.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.1.3/js/bootstrap.bundle.min.js"></script>
</body>

</html>
```

PROFILE.HTML

```
<!DOCTYPEhtml>
<html>
<head>
<metaname="viewport"content="width=device-width,initial-scale=1">
<linkrel="stylesheet"href="static/pstyle.css">
<link
rel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/b
ootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"crossor
igin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.min.css" integrity="sha512-
1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY6wYHN3yt9PW0XpSriVlkMXe40PTKnXr
LnZ9+fkDaog=="crossorigin="anonymous"/>
<scriptsrc="static/edit.js"></script>

    <style>h
      tml,bo
      dy{
        height:100%;
        margin:0;
      }
      .box{
        display:
        flex;flex-flow:
        column;height:100%
        ;
      }
      .box.row{
        border:1pxdotted#0313fc;
      }
      .box .row.header
        {flex:01auto;
      }
      .box .row.content
        {flex:11auto;
      }
      .box .row.footer
        {flex:0140px;
```

```html
        h2{
            text-decoration:underline;
        }


    </style>
</head>

<bodystyle="background-color:GhostWhite">
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9NaoOYz1ztcQTwFspd3yD65VohhpuuCOmLASjC"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popp
er.min.js" integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"crossor
igin="anonymous"></script>

<navclass="navbarnavbar-expand-lgnavbar-darkbg-dark">
  <divclass="container-fluid">
  <img src="static/ntapp.jpg"
alt="alternatetext"style="width:60px;height:40px;
">
    <button class="navbar-toggler" type="button" data-bs-
toggle="collapse"data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Togglenavigation">
    </button>
    <divclass="collapsenavbar-collapse"id="navbarSupportedContent">
      <ulclass="navbar-navme-automb-2mb-lg-0">
        <liclass="nav-item">
          <aclass="nav-link"href="/home">Home</a>
        </li>
        <liclass="nav-item">
          <a class="nav-link active" aria-
current="page"href="/profile">Profile</a>
        </li>

        <liclass="nav-item">
          <aclass="nav-link"href="about">About</a>
        </li>
          <liclass="nav-item">
          <aclass="nav-link"href="/logout">Logout</a>
        </li>


&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&
nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<li class="nav-
item">
        <h3style='color:white'>NTAPP</h3></li></ul>


      <formmethod="POST"action="/search"class="d-flex"role="search">
        <input class="form-control me-2" type="search"
placeholder="Search"aria-label="Search" name="search">
        <input type="submit" class="btn btn-outline-
success"value="Search">
```

```html
        </form>
    </div>
  </div>
</nav>


<form method="POST" action="/profile" name="profile"
onsubmit="returnvalidateform()">
<divclass="container-xlpx-4mt-4">
    <hrclass="mt-0mb-4">
    <divclass="row">
        <divclass="col-xl-4">
            <!--Profilepicturecard-->
            <divclass="cardmb-4mb-xl-0">
                <divclass="card-header">Favourites:</div>
                <divclass="card-bodytext-center">

                    <!--Profilepictureimage-->


                    <divclass="mb-3">
                        <label class="small mb-1"
for="choice1">Choice1:{{account['FAV1']}}</label>
                            <selectclass="form-control"name="choice1"
id="choice1">
                                <optionvalue="0"selected>Change</option>
                                <optionvalue="Business">Business</option>
                                <option
value="Entertainment">Entertainment</option>
                                <optionvalue="General">General</option>
                                <optionvalue="Health">Health</option>
                                <optionvalue="Science">Science</option>
                                <option
value="Technology">Technology</option>
                            </select>
                        </div>

                    <divclass="mb-3">
                        <label class="small mb-1"
for="choice2">Choice2:{{account['FAV2']}}</label>
                            <selectclass="form-control"name="choice2"
id="choice2">
                                <optionvalue="0"selected>Change</option>
                                <optionvalue="Business">Business</option>
                                <option
value="Entertainment">Entertainment</option>
                                <optionvalue="General">General</option>
                                <optionvalue="Health">Health</option>
                                <optionvalue="Science">Science</option>
                                <option
value="Technology">Technology</option>
                            </select>
                        </div>

                    <divclass="mb-3">
                        <label class="small mb-1"
for="choice3">Choice3:{{account['FAV3']}}</label>
                            <selectclass="form-control"name="choice3"
id="choice3">
                                <optionvalue="0"selected>Change</option>
```

```html
                                <optionvalue="Business">Business</option>
                                <optionvalue="Entertainment">Entertai
nment</option>

                                <optionvalue="General">General</option>
                                <optionvalue="Health">Health</option>
                                <optionvalue="Science">Science</option>
                                <option
value="Technology">Technology</option>
                            </select>
                        </div>


                </div>
            </div>
        </div>
        <divclass="col-xl-8">
            <!--Accountdetailscard-->
            <divclass="cardmb-4">
                <divclass="card-header">AccountDetails</div>
                <divclass="card-body">

                        <!--FormGroup(username)-->
                        <divclass="mb-3">
                            <label class="small mb-
1"for="inputUsername">Username</label>
                            <input class="form-control"
id="inputUsername"type="text" placeholder="Enter your username"
value={{account['NAME']}}name="name">
                        </div>


                        <!--FormRow          -->
                        <divclass="rowgx-3mb-3">
                            <!--FormGroup(organizationname)-->
                            <divclass="col-md-6">
                                <label class="small mb-
1"for="inputOrgName">Password</label>
                                <input class="form-
control"id="inputOrgName" type="text"
placeholder="Password"value={{account['PASSWORD']}}name="pa
ssword">
                            </div>
                            <!--FormGroup(location)-->
                            <divclass="col-md-6">
                                <label class="small mb-
1"for="inputLocation">Country</label>
                                <input class="form-
control"id="inputLocation" type="text" placeholder="Enter your
location"value={{account['COUNTRY']}} name="country">
                            </div>
                        </div>
                        <!--FormGroup(emailaddress)-->
                        <divclass="mb-3">
                            <label class="small mb-
1"for="inputEmailAddress">Emailaddress</label>
                            <input class="form-
control"id="inputEmailAddress" type="email" placeholder="Enter your email
address"value={{account['EMAIL']}}name="email"disabled="disabled">
                        </div>
                        <!--FormRow-->
                        <divclass="rowgx-3mb-3">
                            <!--FormGroup(phonenumber)-->
```

```
                              <divclass="col-md-6">
                                <label  class="small  mb-
1"for="inputPhone">Phonenumber</label>
                                <input               class="form-control"
id="inputPhone"type="tel"    placeholder="Enter   your   phone   number"
value={{account['PHONE']}}name="phone">
                              </div>


                       <!--Savechangesbutton-->
                         <divclass="mb-3">
                         <divclass="mb-3">
                              <ahref="/home"class="btnbtn-
primary">Back</a>

                          <inputclass="btnbtn-primary"type="submit"
 value="Savechanges"></div>
                      </div>
                      </div>


               </div>
           </div>
        </div>
    </div>
</div>
</form>
</body>
</html>
```

SEARCH_NEWS.HTML

```
<!doctypehtml>
<html>
<head><title>Home</title>
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bund
le.min.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"crossorigi
n="anonymous"></script>
  <metaname="viewport"content="width=device-width,initial-scale=1.0">

<style>
     html,b
     ody{
       height:100%;
       margin:0;
     }
     .box{
       display:
       flex;flex-flow:
       column;height:100%
       ;
     }
```

```
      .box.row{
        border:1pxdotted#0313fc;
      }
      .box .row.header
        {flex:01auto;
      }
      .box .row.content
        {flex:11auto;
      }
      .box .row.footer
        {flex:0140px;
      }


      h2{
          text-decoration:underline;
      }


    </style>


  <script>window.watsonAssistantChatOpt
  ions={
    integrationID:"",//TheIDofthisintegration.
    region: "au-syd", // The region your integration is hosted
    in.serviceInstanceID: "", // The ID of your service
    instance.onLoad:function(instance){instance.render();}
  };
  setTimeout(function(){
    const
    t=document.createElement('script');t.src=
    "https://web-
chat.global.assistant.watson.appdomain.cloud/versions/"
+(window.watsonAssistantChatOptions.clientVersion || 'latest')
+"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>

</head>

<bodystyle="background-color:GhostWhite">
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popp
er.min.js" integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"crossor
igin="anonymous"></script>

<navclass="navbarnavbar-expand-lgnavbar-darkbg-dark">
  <divclass="container-fluid">
  <img src="static/ntapp.jpg"
alt="alternatetext"style="width:60px;height:40px;
">
    <button class="navbar-toggler" type="button" data-bs-
toggle="collapse"data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Togglenavigation">
    </button>
```

```html
    <divclass="collapsenavbar-collapse"id="navbarSupportedContent">
      <ulclass="navbar-navme-automb-2mb-lg-0">
        <liclass="nav-item">
          <aclass="nav-linkactive"aria-current="page"href="/">Home</a>
        </li>
        <liclass="nav-item">
          <aclass="nav-link"href="/profile">Profile</a>
        </li>

        <liclass="nav-item">
          <aclass="nav-link"href="/about">About</a>
        </li>
          <liclass="nav-item">
          <aclass="nav-link"href="/logout">Logout</a>
        </li>


&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&
nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<li class="nav-
item">
        <h3style='color:white'>NTAPP</h3></li></ul>


      <formmethod="POST"action="/search"class="d-flex"role="search">
        <input class="form-control me-2" type="search"
placeholder="Search"aria-label="Search" name="search">
        <input type="submit" class="btn btn-outline-
success"value="Search">
      </form>
    </div>
  </div>
</nav>
<hrstyle="color:white;height:5px;">

<div class="box" style="float:right; width:100%; padding-
left:20px;padding-right:20px;">
    <br>
  {%ifsearch_titleandsearch_url%}
    {%foriinrange(search_length)%}
      <ahref={{search_url[i]}}style="width:100%;height:100px;float:left
;background:Black;text-decoration:none; font-size:25px;
color:white;display:flex; padding-left:20px;"><img
src={{search_urltoimage[i]}}alt="alternatetext"
style="width:100px;height:100px;
float:left;">{{search_title[i]}}</a>
      <br>
    {%endfor%}
  {%endif%}


    </div>
</body>
</html>
```

OTP.HTML

```html
<html>
<head><title>OTP</title>
<link
rel="stylesheet"href="https://cdnjs.cloudflare.com/ajax
/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
<style>

.card{
  width:
  350px;padding:
  10px;border-radius:
  20px;background:
  #fff;border:none;hei
  ght:
  350px;position:relat
  ive;
}

.container
  {height:100vh;
}

body{
  background:#eee;
}

.mobile-text
  {color:
  #989696b8;font-
  size:15px;
}

.form-control
  {margin-right:12px;
}

.form-control:focus
  {color:
  #495057;background-
  color: #fff;border-
  color:
  #ff8880;outline:0;
  box-shadow:none;
}

.cursor{
  cursor:pointer;
}

.list-group{
    margin:10px0;
}

.list-group-item
    {margin:0;
    padding:0;
}

.alert{
    margin:0;
}
```

```html
</style>
<body>

{%withmessages=get_flashed_messages()%}
    {%ifmessages%}
    <ulclass="flasheslist-group">
        {%formessageinmessages%}
        <liclass="list-group-item">
            <divclass="alertalert-danger">{{message}}</div>
        </li>
        {%endfor%}
    </ul>
    {%endif%}
{%endwith%}

<formmethod="POST"action="/otp">
<divclass="d-flexjustify-content-centeralign-items-centercontainer">
        <divclass="cardpy-5px-3">
            <h5 class="m-0">Email verification</h5><span class="mobile-
text">Enter the code we just send to your email id <b class="text-
danger">{{email}}</b></span>
            <div class="d-flex flex-row mt-5"><input
type="text"class="form-control" autofocus="" name="box1"><input
type="text"class="form-control" name="box2"><input type="text"
class="form-control"name="box3"><inputtype="text"class="form-
control"name="box4"></div>
            <br><divclass="form-group">
            <input type="submit" class="btn btn-primary btn-
block"value="Verifyotp">
        </div>
            <div><span     class="d-block     mobile-text"><center>Don't
receivethe   code?</center></span><br><center><span  class="font-weight-
bold                                                             text-
dangercursor"><ahref="/resend_otp">Resend</a></span></center></div>


</div>


    </div>
    <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.
min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.1.3/js/bootstrap.bundle.min.js"></script>
</form>
</body>
</html>
```

CHOICE.HTML

```html
<!DOCTYPEhtml>
<html>
<head>
<metaname="viewport"content="width=device-width,initial-scale=1.0">
    <linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootst
rap.min.css"rel="stylesheet"integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.
bundle.min.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"crossor
igin="anonymous"></script>
<style>
/*thecontainermustbepositionedrelative:*/
.custom-select
  {position:
  relative;font-
  family:Arial;
}

.styled{
    border:0;
    line-height:2.5;
    padding: 0
    20px;font-size:
    1rem;text-align:
    center;color:#fff;
    text-shadow: 1px 1px 1px
    #000;border-radius:10px;
    background-color:
    rgba(0,0,255,0.3);background-image:linear-
    gradient(totopleft,
                          rgba(0,0,0,.2),
                          rgba(0,0,0,.2)30%,
                          rgba(0,0,0,0));
    box-shadow:inset2px2px3pxrgba(255,255,255,.6),
               inset-2px-2px3pxrgba(0,0,0,.6);
}

.styled:hover{
    background-color:rgba(255,0,0,1);
}

.styled:active{
    box-shadow:inset-2px-2px3pxrgba(255,255,255,.6),
               inset2px2px3pxrgba(0,0,0,.6);
}




.custom-selectselect{
  display:none;/*hideoriginalSELECTelement:*/

}
```

```css
.select-selected{
  background-color:DodgerBlue;
}

/*stylethearrowinsidetheselectelement:*/
.select-selected:after
  {position:
  absolute;content:"";
  top:
  14px;right:
  10px;width:0
  ;
  height:0;
  border:6pxsolidtransparent;
  border-color:#ffftransparenttransparenttransparent;
}

/*pointthearrowupwardswhentheselectboxisopen(active):*/
.select-selected.select-arrow-active:after{
  border-color: transparent transparent #fff
  transparent;top:7px;
}

/*styletheitems(options),includingtheselecteditem:*/
.select-items div,.select-selected
  {color:#ffffff;
  padding:8px16px;
  border:1pxsolidtransparent;
  border-color: transparent transparent rgba(0, 0, 0, 0.1)
  transparent;cursor:pointer;
  user-select:none;
}

/*styleitems(options):*/
.select-items
  {position:absolute;
  background-color:
  DodgerBlue;top:100%;
  left:0;
  right:0;
  z-index:99;
}

/*hidetheitemswhentheselectboxisclosed:*/
.select-hide
  {display:none;
}

.select-items div:hover, .same-as-selected
  {background-color:rgba(0,0,0,0.1);
}

h2{text-align:center};

.list-group{
    margin:10px0;
}

.list-group-item
    {margin:0;
    padding:0;
```

```
}

.alert{
    margin:0;
}
</style>
</head>

<body>
{%withmessages=get_flashed_messages()%}
    {%ifmessages%}
    <ulclass="flasheslist-group">
        {%formessageinmessages%}
        <liclass="list-group-item">
            <divclass="alertalert-success">{{message}}</div>
        </li>
        {%endfor%}
    </ul>
    {%endif%}
{%endwith%}

<h2>Selectyourfavouritechoice</h2>

<br>
<br>
<br>
<br>

<!--surround the select box with a "custom-select" DIV element. Remember
tosetthe width:-->
<center>
  <formmethod="POST"action="/choice">
<divclass="custom-select"class="styled"id="right"style="width:300px;">
    <selectname="choice1"id="choice1">
     <optionvalue="0">Select:</option>
    <optionvalue="Business">Business</option>
    <optionvalue="Entertainment">Entertainment</option>
    <optionvalue="General">General</option>
    <optionvalue="Health">Health</option>
    <optionvalue="Science">Science</option>
    <optionvalue="Technology">Technology</option>
  </select>
</div>
<br>
<br>
<br>
<br>


<divclass="custom-select"id="left"style="width:300px;">
    <selectname="choice2"id="choice2">
     <optionvalue="0">Select:</option>
    <optionvalue="Business">Business</option>
    <optionvalue="Entertainment">Entertainment</option>
    <optionvalue="General">General</option>
    <optionvalue="Health">Health</option>
    <optionvalue="Science">Science</option>
    <optionvalue="Technology">Technology</option>
  </select>
</div>
```

```html
<br>
<br>
<br>
<br>

<divclass="custom-select"id="center"style="width:300px;">
    <selectname="choice3"id="choice3">
     <optionvalue="0">Select:</option>
    <optionvalue="Business">Business</option>
    <optionvalue="Entertainment">Entertainment</option>
    <optionvalue="General">General</option>
    <optionvalue="Health">Health</option>
    <optionvalue="Science">Science</option>
    <optionvalue="Technology">Technology</option>
  </select>
</div>
<br>
<br>
<br>
<br>

<input class="favorite
       styled"type="submit"
       value="Addtofavorites">

    </form>
</center>



<script>
varx,i,j,l,ll,selElmnt,a,b,c;
/*look for any elements with the class "custom-
select":*/x=document.getElementsByClassName("custom-
select");
l=x.length;
for(i=0;i<l;i++){
  selElmnt =
  x[i].getElementsByTagName("select")[0];ll=
  selElmnt.length;
  /*for each element, create a new DIV that will act as the
selecteditem:*/
  a =
  document.createElement("DIV");a.setAttribute("c
  lass","select-selected");
  a.innerHTML =
  selElmnt.options[selElmnt.selectedIndex].innerHTML;x[i].appendChi
  ld(a);
  /*for each element, create a new DIV that will contain the option
  list:*/b= document.createElement("DIV");
  b.setAttribute("class", "select-items select-
  hide");for(j = 1;j < ll; j++){
    /*for each option in the original select
    element,create a new DIV that will act as an option
    item:*/c=document.createElement("DIV");
    c.innerHTML =
    selElmnt.options[j].innerHTML;c.addEventList
    ener("click",function(e){
        /*when an item is clicked, update the original select
        box,andthe selected item:*/
        vary,i,k,s,h,sl,yl;
        s =
        this.parentNode.parentNode.getElementsByTagName("select")[0];sl=
        s.length;
        h =
        this.parentNode.previousSibling;for(
```

```
i =0; i< sl;i++) {
   if(s.options[i].innerHTML==this.innerHTML){
```

```
i =0; i< sl;i++) {
   if(s.options[i].innerHTML==this.innerHTML){
```

```
            s.selectedIndex =
            i;h.innerHTML=this.innerHTML;
            y = this.parentNode.getElementsByClassName("same-as-
            selected");yl= y.length;
            for (k = 0; k < yl; k++)
              {y[k].removeAttribute("class");
            }
            this.setAttribute("class", "same-as-
            selected");break;
          }
        }
        h.click();
    });
    b.appendChild(c);
  }
  x[i].appendChild(b);a.addEventListener("cli
  ck",function(e){
      /*when the select box is clicked, close any other select
      boxes,andopen/closethe currentselect box:*/
      e.stopPropagation();c
      loseAllSelect(this);
      this.nextSibling.classList.toggle("select-
      hide");this.classList.toggle("select-arrow-
      active");
    });
}
functioncloseAllSelect(elmnt){
  /*a function that will close all select boxes in the
  document,exceptthe currentselect box:*/
  varx,y,i,xl,yl,arrNo=[];
  x=document.getElementsByClassName("select-items");
  y = document.getElementsByClassName("select-
  selected");xl= x.length;
  yl=y.length;
  for (i = 0; i < yl; i++)
    {if(elmnt==y[i]){
      arrNo.push(i)
    }else{
      y[i].classList.remove("select-arrow-active");
    }
  }
  for (i = 0; i < xl; i++)
    {if(arrNo.indexOf(i)){
      x[i].classList.add("select-hide");
    }
  }
}
/*if the user clicks anywhere outside the select
box,then close all select
boxes:*/document.addEventListener("click",closeAllSel
ect);
</script>

</body>
</html>
```

HOME.HTML

```html
<!doctypehtml>
<html>
<head><title>Home</title>
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.
bundle.min.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"crossor
igin="anonymous"></script>
    <metaname="viewport"content="width=device-width,initial-scale=1.0">

<style>
     html,bod
     y{
       height:100%;
       margin:0;
     }
     .box{
       display:
       flex;flex-flow:
       column;height:100%
       ;
     }
     .box.row{
       border:1pxdotted#0313fc;
     }
     .box .row.header
       {flex:01auto;
     }
     .box .row.content
       {flex:11auto;
     }
     .box .row.footer
       {flex:0140px;
     }

     h2{
        text-decoration:underline;
     }


    </style>


<script>window.watsonAssistantChatOptio
  ns={
    integrationID:"",//TheIDofthisintegration.
    region: "au-syd", // The region your integration is hosted
    in.serviceInstanceID: "", // The ID of your service
    instance.onLoad:function(instance){instance.render();}
  };
  setTimeout(function(){
    const
    t=document.createElement('script');t.src=
    "https://web-
```

```html
chat.global.assistant.watson.appdomain.cloud/versions/"
+(window.watsonAssistantChatOptions.clientVersion || 'latest')
+"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>

</head>

<bodystyle="background-color:GhostWhite">
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popp
er.min.js" integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"crossor
igin="anonymous"></script>

<navclass="navbarnavbar-expand-lgnavbar-darkbg-dark">
  <divclass="container-fluid">
  <img src="static/ntapp.jpg"
alt="alternatetext"style="width:60px;height:40px;
">
    <button class="navbar-toggler" type="button" data-bs-
toggle="collapse"data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Togglenavigation">
    </button>
    <divclass="collapsenavbar-collapse"id="navbarSupportedContent">
      <ulclass="navbar-navme-automb-2mb-lg-0">
        <liclass="nav-item">
          <aclass="nav-linkactive"aria-current="page"href="/">Home</a>
        </li>
        <liclass="nav-item">
          <aclass="nav-link"href="/profile">Profile</a>
        </li>

        <liclass="nav-item">
          <aclass="nav-link"href="/about">About</a>
        </li>
          <liclass="nav-item">
          <aclass="nav-link"href="/logout">Logout</a>
        </li>


&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&
nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<li class="nav-
item">
        <h3style='color:white'>NTAPP</h3></li></ul>

      <formmethod="POST"action="/search"class="d-flex"role="search">
        <input class="form-control me-2" type="search"
placeholder="Search"aria-label="Search" name="search">
        <input type="submit" class="btn btn-outline-
success"value="Search">
      </form>
    </div>
```

```html
    </div>
</nav>
<hrstyle="color:white;height:5px;">

<div class="box" style="float:right; width:75%; padding-left:20px; padding-
right:20px;">
    <h2>{{fav1}}</h2>
    <br>
  {%ifc1_titleandc1_url%}
    {%foriinrange(c1_length)%}
      <ahref={{c1_url[i]}}style="width:100%;height:200px;float:left
;background:Black;text-decoration:none; font-size:25px;
color:white;display:flex; padding-left:20px;"><img
src={{c1_urltoimage[i]}}style="width:100px;height:100px;float:left;"
>{{c1_title[i]}}</a>
      <br>
    {%endfor%}
  {%endif%}

    <br>
    <br>

    <h2>{{fav2}}</h2>
    <br>
  {%ifc2_titleandc2_url%}
    {%foriinrange(c2_length)%}
      <ahref={{c2_url[i]}}style="width:100%;height:200px;float:left
;background:Gray;text-decoration:none; font-size:25px;
color:white;display:flex; padding-left:20px;"><img
src={{c2_urltoimage[i]}}style="width:100px;height:100px;float:left;
">{{c2_title[i]}}</a>
      <br>
    {%endfor%}
  {%endif%}

    <br>
    <br>

    <h2>{{fav3}}</h2>
    <br>
  {%ifc3_titleandc3_url%}
    {%foriinrange(c3_length)%}
      <ahref={{c3_url[i]}}style="width:100%;height:200px;float:left
;background:Gray;text-decoration:none; font-size:25px;
color:white;display:flex; padding-left:20px;"><img
src={{c3_urltoimage[i]}}style="width:100px;height:100px;float:left;
">{{c3_title[i]}}</a>
      <br>
    {%endfor%}
  {%endif%}
    </div>

{%ifnews_titleandurl%}
    {%foriinrange(main_length)%}
      <divclass="card"style="width:18rem;background-color:DimGray;">
        <imgsrc={{urltoimage[i]}}class="card-img-top"alt="...">
        <divclass="card-body">
          <h5class="card-title"style="color:white">Breakingnews</h5>
          <a href={{url[i]}} class="card-
text"style="color:white">{{news_title[i]}}</a>
        </div>
      </div><br>
    {%endfor%}
  {%endif%}
```

```
</body>
```

ABOUT.HTML

```
<!doctypehtml>
<html>
<head><title>Home</title>
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bund
le.min.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"crossorigi
n="anonymous"></script>
  <metaname="viewport"content="width=device-width,initial-scale=1.0">

<style>
      html,b
      ody{
        height:100%;
        margin:0;
      }
      .box{
        display:
        flex;flex-flow:
        column;height:100%
        ;
      }
      .box.row{
        border:1pxdotted#0313fc;
      }
      .box .row.header
        {flex:01auto;
      }
      .box .row.content
        {flex:11auto;
      }
      .box .row.footer
        {flex:0140px;
      }

      h2{
```

```
          text-decoration:underline;
      }


   </style>


 <script>window.watsonAssistantChatOpt
 ions={
   integrationID:"",//TheIDofthisintegration.
   region: "au-syd", // The region your integration is hosted
   in.serviceInstanceID: "", // The ID of your service
   instance.onLoad:function(instance){instance.render();}
 };
 setTimeout(function(){
   const
   t=document.createElement('script');t.src=
   "https://web-
chat.global.assistant.watson.appdomain.cloud/versions/"
+(window.watsonAssistantChatOptions.clientVersion || 'latest')
+"/WatsonAssistantChatEntry.js";
   document.head.appendChild(t);
 });
</script>

</head>

<bodystyle="background-color:GhostWhite">
<linkhref="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.
min.css"rel="stylesheet"integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"crossor
igin="anonymous">
<scriptsrc="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popp
er.min.js" integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"crossor
igin="anonymous"></script>

<navclass="navbarnavbar-expand-lgnavbar-darkbg-dark">
 <divclass="container-fluid">
 <img src="static/ntapp.jpg"
alt="alternatetext"style="width:60px;height:40px;
">
   <button class="navbar-toggler" type="button" data-bs-
toggle="collapse"data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Togglenavigation">
   </button>
   <divclass="collapsenavbar-collapse"id="navbarSupportedContent">
     <ulclass="navbar-navme-automb-2mb-lg-0">
       <liclass="nav-item">
         <aclass="nav-linkactive"aria-current="page"href="/">Home</a>
       </li>
       <liclass="nav-item">
         <aclass="nav-link"href="/profile">Profile</a>
       </li>

       <liclass="nav-item">
         <aclass="nav-link"href="/about">About</a>
       </li>
         <liclass="nav-item">
         <aclass="nav-link"href="/logout">Logout</a>
```

```html
        </li>


&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&
nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&n
bsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<li class="nav-
item">
        <h3style='color:white'>NTAPP</h3></li></ul>


      <formmethod="POST"action="/search"class="d-flex"role="search">
        <input class="form-control me-2" type="search"
placeholder="Search"aria-label="Search" name="search">
        <input type="submit" class="btn btn-outline-
success"value="Search">
      </form>
    </div>
  </div>
</nav><br><br>
<h3>&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&
nbsp&nbsp
  We offer news that is provided by reliable news sources like the
BBC,NDTV,Al-Jazeera, etc.
  There is zero risk that the news we provide is false because it
comesfromreputable news
  organisations.<br><br>

&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp
&nbsp
  We offer a lot more than just the latest headlines. To enable people
todiscovertheir world
  isourgoal.
The speed at which news reaches our viewers and the impartial and
objectivemannerin which we
  present it set us apart from the plethora of other news channels
nowaccessible.<br><br>

&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp
&nbsp
  Our channel places a special emphasis on the news that viewers find
mostinteresting,and users
  can set their favourite topics to appear first on our page. Our
readersmayget their favourite
  trending news stories instantaneously and explore them whenever
theywant.A thoughtfullyconstructed
  andclearlydefinedframeworksupportsthebreadthofournewscoverage.
</h3>

</body>
</html>
```

STATICFILES

SIGN_UP.JS

```javascript
function validateform(){
var
name=document.forms["signup"]["username"].value;var e
mail=document.forms["signup"]["email"].value;
var password=document.forms["signup"]["password"].value;
var
confirmpwd=document.forms["signup"]["confirmpassword"].value;var c
ountry=document.forms["signup"]["country"].value;
var phone=document.forms["signup"]["phone"].value;




if (name==null ||
  name==""){alert("Name can't
  be empty");returnfalse;
}

else if (email==null ||
  email==""){alert("Email can't be
  empty");returnfalse;
}

else if (password==null ||
  password==""){alert("Paswordcan'tbeempt
  y");
  returnfalse;
}

else if (confirmpwd==null ||
  confirmpwd==""){alert("Confirm Pasword
  can't be empty");returnfalse;
}
elseif(!(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/.test(email))){

  alert("You have entered an invalid email
  address!");returnfalse
}




elseif(password.length<6){
  alert("Password must be at least 6 characters
  long.");returnfalse;
  }
 else
 if(password!=confirmpwd){alert
 ("Password
 mismatch");returnfalse
 }
```

```
else    if    (phone==null    ||
  phone==""){alert("Phone  No  can't
  be empty);returnfalse;
}

else if
  ((phone.length)!=10){alert("Ente
  r a valid Phone
  No");returnfalse;
}
```

SIGN_IN.JS

```
functionvalidateform(){
var
email=document.forms["signin"]["email"].value;varpas
s=document.forms["signin"]["password"].value;

if (email==null ||
  email==""){alert("Email can't
  be empty);returnfalse;
}

else if (pass==null ||
  pass==""){alert("Password can't
  be empty);returnfalse;
}

else if(!(/^\w+([\.-]?\w+)*@\w+([\.-
  ]?\w+)*(\.\w{2,3})+$/.test(email))){alert("Youhaveenteredaninvalidemai
  l address!");
```

EDIT.JS

```
functionvalidateform(){
var
name=document.forms["profile"]["name"].value;varema
il=document.forms["profile"]["email"].value;
var
password=document.forms["profile"]["password"].value;var
country=document.forms["profile"]["country"].value;varpho
ne=document.forms["profile"]["phone"].value;




if (name==null ||
```

```
}

else if (email==null ||
  email==""){alert("Email can't be
  empty");returnfalse;
}

else if (password==null ||
  password==""){alert("Paswordcan'tbeempt
  y");
  returnfalse;
}


else if(!(/^\w+([\.-]?\w+)*@\w+([\.-

  ]?\w+)*(\.\w{2,3})+$/.test(email))){alert("Youhaveenteredaninvalidemai

  l address!");
  returnfalse
}



elseif(password.length<6){
  alert("Password must be at least 6 characters
  long.");returnfalse;
  }


if       (country==null        ||
  country==""){alert("Country
  field is empty");returnfalse;
}

else     if      (phone==null      ||
  phone==""){alert("Phone  No  can't
  be empty");returnfalse;
}

else if
  ((phone.length)!=10){alert("Ente
  r a valid Phone
  No");returnfalse;
}
```

FORGET PWD.JS

```
functionvalidateform(){
varemail=document.forms["forgetpwd"]["email"].value;

if (email==null ||
  email==""){alert("Email can't
  be empty");returnfalse;
}
```

```
else if(!(/^\w+([\.-]?\w+)*@\w+([\.-
    ]?\w+)*(\.\w{2,3})+$/.test(email))){alert("Youhaveenteredaninvalidemai
    l address!");
    returnfalse
```

STYLE.CSS

```
.register-photo
    {background:#f1f7fc;paddi
    ng:80px0;
}

.register-photo .image-holder
    {display:table-
    cell;width:auto;
    background:url(/static/ntapp.jpg);b
    ackground-size:cover;
}

.register-photo .form-container
    {display:table;
    max-
    width:900px;widt
    h:90%;margin:0au
    to;
    box-shadow:1px1px5pxrgba(0,0,0,0.1);
}

.register-photo form
    {display:table-
    cell;width:400px;
    background-
    color:#ffffff;padding:40
    px 60px;color:#505e6c;
}

@media(max-width:991px){
    .register-photo form
        {padding:40px;
    }
}

.register-photo form h2
    {font-size:24px;
    line-
    height:1.5;margin-
    bottom:30px;
}

.register-photo form .form-control
    {background:#f7f9fc;
    border:none;
    border-bottom:1px solid
```

```css
  outline:none;col
  or:inherit;text-
  indent:6px;heigh
  t:40px;
}

.register-photo form .form-check
  {font-size:13px;
  line-height:20px;
}

.register-photo form .btn-primary
  {background:#f4476b;
  border:none;border
  -
  radius:4px;padding
  :11px;
  box-
  shadow:none;margi
  n-top:35px;text-
  shadow:none;
  outline:none!important;
}

.register-photo form .btn-primary:hover, .register-photo form .btn-
primary:active{
  background:#eb3b60;
}

.register-photo form .btn-primary:active
  {transform:translateY(1px);
}


.register-photo form .already
  {display:block;
  text-
  align:center;font-
  size:12px;color:#6
  f7a85;opacity:0.9;
  text-decoration:none;
}
.left_container{fl
   oat:left;width:
   30%
}

.right_container{float:ri
    ght;width:70%
```

PSTYLE.CSS

```css
body{margin-
top:20px;background-
```

```css
color:#69707a;
}
.img-account-profile
    {height:10rem;
}
.rounded-circle{
    border-radius:50%!important;
}
.card{
    box-shadow:00.15rem1.75rem0rgb(334050/15%);
}
.card .card-header
    {font-weight:500;
}
.card-header:first-child{
    border-radius:0.35rem0.35rem00;
}
.card-header{
    padding: 1rem
    1.35rem;margin-
    bottom:0;
    background-color:rgba(33,40,50,0.03);
    border-bottom:1pxsolidrgba(33,40,50,0.125);
}
.form-control, .dataTable-input
    {display:block;
    width:100%;
    padding: 0.875rem
    1.125rem;font-
    size:0.875rem;
    font-weight:400;
    line-height:
    1;color:#69707a
    ;
    background-color:
    #fff;background-clip:
    padding-
    box;border:1pxsolid#c5ccd6;
    -webkit-appearance:none;
    -moz-appearance:
    none;appearance:
    none;border-
    radius:0.35rem;
    transition: border-color 0.15s ease-in-out, box-shadow 0.15s ease-in-
out;
}

.nav-borders .nav-link.active
    {color:#0061f2;
    border-bottom-color:#0061f2;
}
.nav-borders .nav-link
    {color:#69707a;
    border-bottom-width:
    0.125rem;border-bottom-style:
    solid;border-bottom-color:
    transparent;padding-top:0.5rem;
    padding-bottom:
    0.5rem;padding-left:0;
    padding-right:
    0;margin-left:
    1rem;margin-
    right:1rem;
}
```

NTAPP.JPG

8.TESTING

8.1 TESTCASE

9. Test case	feature	component	Test scenario	Expected result	Actual result	status	comments	bug	Executed by
Sign in	Functional	Login page	Verify user cansee the sign in option	can visible	Yes visible	pass	successful	-	AKSHAYA
Sign up	Functional	Login page	Verify user has the option to sign up	Can visible	Yes visible	pass	Successful	-	DIVYASRI

Forgot password	Functional	Login page	Verify user has the option to forgot password	Yes the option is available	Option is available	pass	Successful	-	BOOMIKA

Fetch news	Functional	Home page	Verify user can get the news	News will be feed to the app	404 error	Fa
Types of news available in the fetch newspage	Functional	Fetch news	Types of news available	Weather, Sport, Economy.	Hover buttons will be shown.	Ye

10. RESULT

The development and execution of the cloud-based news trackingapplicationiscomplete.

PERFORMANCETESTING

NFT-RiskAssessment

S.no	Project Name	Scope/ feature	Functional changes	Hardware changes	Software changes	Impact ofDowntime	Load/Volume Changes	RiskScore	Justification
1.	NewsTrackerApplication	Tracks NewsBased on theusers Specification.	No	NoChanges	Low	>10sec	>5 to10%	5%	Tracks and Showsthe news basedonuser recommendation.

NFT-DetailedTestPlan

S.no	ProjectOverview	NFTTestapproach	Assumptions/Dependencies/Risks	Approvals/SignOff
1.	Just tell us what market newsyou're interested in and get aquick peek for the day. Onlyreadwhatyoufeelisrelevant andsaveyour time.	LoadTesting	No Risks	AKSHAYA,DIVYA SRI
2.	Multiple userloginand accessingtheapplication.	StressTesting	>20Users	BHARATHI,BOOMIKA

EndofTestReport

S.no	Project Overview	NFT Testapproach	NFR-Met	TestOutcome	Go/ No-Godecision	Recommendations	IdentifiedDefects (Detected/Closed/Open)	Approvals/ SignOff
1.	How longthe timeperiod ofthe application.	Endurance Testing	Yes	Moderate >8 hours	Go	Runs >8 hours in asingle run of theapplication.	Closed	AKSHAYA, DIVYASRI
2.	Increase theuserload for a shortamount of time.	Spike Testing	Yes	Low <1 hour	Go	Runs <1 hours in asingle run of theapplication.	Open	BOOMIKA,BHARATHI

11. CONCLUSION

We examined three adaptive interface designs for diverse news readercategories and tested the feasibility of identifying interaction patternsin reading news. We show that a user's interaction record can be usedto categorise them into one of three groups. Numerous distinct readercategories were identified via the online survey. According to ananalysis of the three variation interfaces, diverse news reader typescallforvarioususerinterfaces.Wehavedemonstratedhowtomonitor users' news reading patterns and identify their news reader type as aresult. We will keep looking at the design of adaptable interfaces inorder to present a comprehensive adaptive mobile news frameworkthatoffers automaticpersonalizationofnewsappsinthefuture.

12. ADVANTAGES&DISADVANTAGESA

DVANTAGES:

- Newsisalready categorisedinthisapp.
- Betteruserexperience;easilyportable;easieraccess.
- Appsmighthelpyouturnwebsitevisitorsintodevotedreaders.
- Minute-by-minutenewsupdates.
- Thisapp enablesyoutorapidlyreceivelocalnewsupdates.
- Toresearchandidentifyhottopicsandnews.
- Newsfeeds tailoredtoyourinterests foryou.

DISADVANTAGES:

- Someappsneedausertosubscribetoapremiumversion.
- Whenadvertisementsappear,theydisruptusers.
- Thenewsoccasionallyprovidessuccinctinformation.
- Theprevalenceoffalseandambiguousnewsmightmisleadusersandcauseconfusion.
- Readersmaybemisledbyfakenews.

13. FUTURESCOPE

We will keep looking at the design of adaptable interfaces in order tobe able to present a comprehensive adaptive mobile news frameworkthatoffers automaticpersonalizationofnewsappsinthefuture.

14. APPENDIX

MAIN.PY

```
from flask
importFlask,render_template,request,url_for,redirect,session,flas
himportibm_boto3
from ibm_botocore.client import Config,
ClientErrorimportibm_db
from headlines import
news_headlinesfrom headlines import
news_categoryfrommail import*
fromkey_searchimportsearch_by_key


conn=ibm_db.connect(

"DATABASE=#;HOSTNAME=#;PORT=#;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalR
ootCA.crt;UID=#;PWD=#",
    '','')

app=Flask(name)
app.secret_key=b'_5#y2L"F4Q8z\n\xec]/'

@app.route('/',methods=['POST','GET'])de
fsign_in():
```

```python
    all_users=[]

    if
        request.method=='POST':user_email=reques
        t.form['email']user_password=request.for
        m['password']session['email'] =
        request.form['email']print(user_email,us
        er_password)
        sql="SELECT*FROMuser"
        stmt = ibm_db.exec_immediate(conn,
        sql)users=ibm_db.fetch_both(stmt)
        whileusers!=False:
            # print ("The Name is :
            ",dictionary)all_users.append(users)
            users =
        ibm_db.fetch_both(stmt)foruserinall
        _users:
            print(user)
            ifuser_email==user['EMAIL']:
                if user_password ==
                    user['PASSWORD']:returnredirect('
                    /home')

        flash("Accountdoesn'texist")
        returnrender_template('sign_in.html')




    else:
        if'email'insession:returnred
            irect('/home')
        returnrender_template('sign_in.html')

@app.route('/sign_up',methods=['POST','GET'])de
fsign_up():
    all_users=[]
    if request.method ==
        'POST':user_name=request.form['n
        ame']
        user_email =
        request.form['email']user_country =
        request.form['country']user_phone =
        request.form['phone']user_password=reques
        t.form['password']
        user_confirm_password=request.form['confirm_password']

print(user_name,user_email,user_country,user_phone,user_password,user_confi
rm_password)
        sql="SELECT*FROMuser"
        stmt = ibm_db.exec_immediate(conn,
        sql)users=ibm_db.fetch_both(stmt)
        whileusers!=False:
            # print ("The Name is :
            ",dictionary)all_users.append(users)
            users =
        ibm_db.fetch_both(stmt)foruserinall
        _users:
            if user_email ==
                user['EMAIL']:session.pop('ema
                il', None)flash("Account
                already exist")return
                redirect("/")

        session['email'] =
        request.form['email']session['name'] =
```

```
request.form['name']session['country'] =
request.form['country']session['phone']=requ
est.form['phone']
```

```python
        session['password'] =
        request.form['password']returnredirect('/otp')

    else:
        returnrender_template('sign_up.html')

@app.route('/forget_password',methods=['POST','GET'])
defforget_password():
    ifrequest.method=='POST':user_email =
        request.form['email']print(user_em
        ail)
        sql = "SELECT PASSWORD FROM user WHERE email
        =?"stmt = ibm_db.prepare(conn,
        sql)ibm_db.bind_param(stmt, 1,
        user_email)ibm_db.execute(stmt)
        account =
        ibm_db.fetch_assoc(stmt)ifaccount:
            print(account['PASSWORD'])pwd="<strong>PASSWORD:<strong>"
            +account['PASSWORD']send_mail(user_email,"Yourpasswordha
            sbeen
received",pwd,None)
            session.pop('email',
            None)flash('Your password has been
            sent')return redirect("/")
        else:
            flash("Account doesn't
            exist")returnredirect('/forget_pass
            word')

    else:
        returnrender_template('forget_password.html')

@app.route('/otp',methods=['POST','GET'])de
fotp():

    if request.method ==
        'POST':num_1 =
        request.form['box1']num_2 =
        request.form['box2']num_3 =
        request.form['box3']num_4=re
        quest.form['box4']
        my_otp=num_1+num_2+num_3+num_4

        if
            my_otp==session['otp']:pri
            nt(my_otp)print(session['o
            tp'])session.pop('otp',
            None)flash("OTP
            Verified")returnredirect('
            /choice')

        else:
            print(my_otp)print(sessi
            on['otp'])session.pop('o
            tp', None)flash("OTP is
            wrong")returnredirect('/
            otp')

    else:
        session['otp'] =
        str(generate_number())send_mail(session['email'],"Otpfromne
        wstracker",
session['otp'],"yes")
        email=session['email']
        returnrender_template('otp.html',email=email)
```

```python
@app.route('/resend_otp',methods=['POST','GET'])de
fresend_otp():
    returnredirect('/otp')

@app.route('/home')
defhome():
    sql = "SELECT * FROM user WHERE email
    =?"stmt = ibm_db.prepare(conn,
    sql)ibm_db.bind_param(stmt, 1,
    session['email'])ibm_db.execute(stmt)
    account =
    ibm_db.fetch_assoc(stmt)country=ac
    count['COUNTRY']fav1=account['FAV1
    ']
    fav2 =
    account['FAV2']fav3=ac
    count['FAV3']



    title, url, urltoimage =
    news_headlines(country)c1_title,c1_url,c1_urltoimage=news_cate
    gory(country,fav1)c2_title, c2_url, c2_urltoimage =
    news_category(country,fav2)c3_title, c3_url, c3_urltoimage =
    news_category(country, fav3)main_length=len(title)
    c1_length=len(c1_title)c2
    _length=len(c2_title)c3_l
    ength =
    len(c3_title)return
render_template('home.html',news_title=title,url=url,urltoimage=urltoimage,

c1_title=c1_title,c1_url=c1_url,c1_urltoimage=c1_urltoimage,
                          c2_title=c2_title,
c2_url=c2_url,c2_urltoimage=c2_urltoimage,
                          c3_title=c3_title,
c3_url=c3_url,c3_urltoimage=c3_urltoimage,

main_length=main_length,c1_length=18,c2_length=18,
                          c3_length=18,fav1=fav1,fav2=fav2,fav3=fav3
                          )




@app.route('/search',methods=['POST','GET'])de
fsearch():
    ifrequest.method=='POST':
        keyword =
        request.form['search']search_title,search_url,search_urltoimage=search_by_key(keyw
        ord)search_length=len(search_title)
        print(search_url)
        return
render_template("search_news.html",search_length=search_length,
                                search_title=search_title,

search_url=search_url,search_urltoimage=search_urltoimage)


@app.route('/profile',methods=['POST','GET'])de
fprofile():
```

```python
    if request.method=='POST':

        user_email=session['email']

        sql = "SELECT * FROM user WHERE email
        =?"stmt = ibm_db.prepare(conn,
        sql)ibm_db.bind_param(stmt, 1,
        user_email)ibm_db.execute(stmt)
        account=ibm_db.fetch_assoc(stmt)

        present_choice1                   =
        account['FAV1']present_choice2   =
        account['FAV2']present_choice3=ac
        count['FAV3']

        sql="DELETE FROM user WHERE email
        =?"stmt = ibm_db.prepare(conn,
        sql)ibm_db.bind_param(stmt, 1,
        user_email)ibm_db.execute(stmt)

        user_name =
        request.form['name']user_email =
        session['email']user_country =
        request.form['country']user_phone =
        request.form['phone']user_password =
        request.form['password']choice1=request.
        form['choice1']choice2=request.form['cho
        ice2']choice3=request.form['choice3']

        if
            choice1=="0":choice1=pr
            esent_choice1

        if
            choice2=="0":choice2=pr
            esent_choice2

        if
            choice3=="0":choice3=pr
            esent_choice3

print(user_name,user_email,user_password,user_phone,choice1,choice2,choice3
)

        print(present_choice1,present_choice2,present_choice3)

        insert_sql="INSERTINTOuserVALUES(?,?,?,?,?,?,?,?)"
        prep_stmt = ibm_db.prepare(conn,
        insert_sql)ibm_db.bind_param(prep_stmt,1,use
        r_email)
        ibm_db.bind_param(prep_stmt,2,user_name)
        ibm_db.bind_param(prep_stmt,3,user_phone)
        ibm_db.bind_param(prep_stmt,4,user_country)
        ibm_db.bind_param(prep_stmt,5,user_password)
        ibm_db.bind_param(prep_stmt,6,choice1)
        ibm_db.bind_param(prep_stmt,7,choice2)
        ibm_db.bind_param(prep_stmt, 8,
        choice3)ibm_db.execute(prep_stmt)

        return redirect('/')
```

```python
        user_email                       =
        session['email']print(user_em
        ail)
        sql = "SELECT * FROM user WHERE email
        =?"stmt = ibm_db.prepare(conn,
        sql)ibm_db.bind_param(stmt, 1,
        user_email)ibm_db.execute(stmt)
        account=ibm_db.fetch_assoc(stmt)
        returnrender_template("profile.html",account=account)

@app.route('/choice',methods=['POST','GET'])de
fchoice():
        ifrequest.method=='POST':
            choice1                           =
            request.form['choice1']choice2   =
            request.form['choice2']choice3=re
            quest.form['choice3']

            print(choice1,choice2,choice3)

            insert_sql="INSERTINTOuserVALUES(?,?,?,?,?,?,?,?)"
            prep_stmt = ibm_db.prepare(conn,
            insert_sql)ibm_db.bind_param(prep_stmt,1,session['email'])
            ibm_db.bind_param(prep_stmt,2,session['name'])
            ibm_db.bind_param(prep_stmt,3,session['phone'])
            ibm_db.bind_param(prep_stmt,4,session['country'])
            ibm_db.bind_param(prep_stmt,5,session['password'])
            ibm_db.bind_param(prep_stmt,6,choice1)
            ibm_db.bind_param(prep_stmt,7,choice2)
            ibm_db.bind_param(prep_stmt, 8,
            choice3)ibm_db.execute(prep_stmt)

            session.pop('phone',
            None)session.pop('country',
            None)session.pop('password',N
            one)

            returnredirect('/home')


        returnrender_template("choice.html")


@app.route('/logout')
deflogout():
        session.pop('email',None)

        returnredirect('/')


@app.route('/about')
defabout():
        returnrender_template("about.html")
```

```
ifname=="main":app.run(host='0.0.0.0',debu
    g=True)
```

MAIL.PY

```
#usingSendGrid'sPythonLibrary
#        https://github.com/sendgrid/sendgrid-
pythonimportos
from        sendgrid        import
SendGridAPIClientfrom
sendgrid.helpers.mail        import
MailfromrandomimportrandintandintMailfromrandomimport randint

def
    send_mail(usermail,usersubject,usercontent,otp):
    ifotp == "yes":
        content = '<strong>YOUR
    OTP:</strong>'+str(usercontent)else:
        content=usercontent

    message =
        Mail(from_email='roshanazar050@gmail.com',to_em
        ails=str(usermail),subject=str(usersubject),h
        tml_content=str(content))




    try:
        sg =
        SendGridAPIClient('')respon
        se =
        sg.send(message)print(respo
        nse.status_code)print(respo
        nse.body)print(response.hea
        ders)
    except Exception as
        e:print(e.message)
#send_mail("roshanazar2002@gmail.com","Otpfromnewstracker","1234","yes")def

generate_number():
    number=randint(1001,9999)
```

HEADLINES.PY

```python
from newsapi import
NewsApiClientimportpycountry

defnews_category(country,category):
    # you have to get your api key from newapi.com and then paste it
    belownewsapi= NewsApiClient(api_key='')

    # now we will take name of country from user as
    inputinput_country= country
    input_countries =
    [f'{input_country.strip()}']countries= {}


    # iterate over all the countries
    in# the world using pycountry
    moduleforcountryinpycountry.countri
    es:

        #andstoretheuniquecodeofeachcountry
        # in the dictionary along with it's full
        namecountries[country.name]=country.alpha_2

    # now we will check that the entered country name
    is#validorinvalidusingthe uniquecode
    codes = [countries.get(country.title(), 'Unknown
        code')forcountry in input_countries]

    # now we have to display all the categories from which user
    will#decideand enterthename ofthat category
    option=category

    # now we will fetch the new according to the choice of the
    usertop_headlines=newsapi.get_top_headlines(

        # getting top headlines from all the news
        channelscategory=f'{option.lower()}',language='en'
        ,
country=f'{codes[0].lower()}')

    # fetch the top news under that
    categoryHeadlines =
    top_headlines['articles']title=[]
    url=[]urltoim
    age=[]



    # now we will display the that news with a good readability for
    userifHeadlines:
        forarticlesinHeadlines:
            b=articles['title'][::-1].index("-")
            if "news" in (articles['title'][-
                b+1:]).lower():title.append(f"{articles['titl
                e']}")
                url.append(f"{articles['url']}")urltoimage.append(f"{articles['urlToImage
                ']}")


            else:
                title.append(f"{articles['title']}")
                url.append(f"{articles['url']}")
```

```python
                urltoimage.append(f"{articles['urlToImage']}")
            returntitle,url,urltoimage

    else:
        print(f"Sorry no articles found for {input_country},
SomethingWrong!!!")
        option=input("Doyouwanttosearchagain[Yes/No]?")


defnews_headlines(country):
    # you have to get your api key from newapi.com and then paste it
    belownewsapi= NewsApiClient(api_key='')

    # now we will take name of country from user as
    inputinput_country= country
    input_countries =
    [f'{input_country.strip()}']countries= {}

    # iterate over all the countries
    in# the world using pycountry
    moduleforcountryinpycountry.countri
    es:
        #andstoretheuniquecodeofeachcountry
        # in the dictionary along with it's full
        namecountries[country.name]=country.alpha_2

    # now we will check that the entered country name
    is#validorinvalidusingthe uniquecode
    codes = [countries.get(country.title(), 'Unknown
        code')forcountry in input_countries]

    # now we have to display all the categories from which user
    will#decideand enterthename ofthat category


    # now we will fetch the new according to the choice of the
    usertop_headlines=newsapi.get_top_headlines(

        # getting top headlines from all the news
        channelslanguage='en',country=f'{codes[0].lower()
        }')

    # fetch the top news under that
    categoryHeadlines =
    top_headlines['articles']title= []
    url =
    []urltoimage=[]

    # now we will display the that news with a good readability for
    userifHeadlines:
        forarticlesinHeadlines:
            b=articles['title'][::-1].index("-")
            if "news" in (articles['title'][-b +
                1:]).lower():title.append(f"{articles['title']}
                ")
                url.append(f"{articles['url']}")urltoimage.append(f"{articles['urlToImage']}"
                )


            else:
                title.append(f"{articles['title']}")
                url.append(f"{articles['url']}")urltoimage.append(f"{articles['urlToImage']}"
                )
        returntitle,url,urltoimage
```

```python
    else:
        print(f"Sorry no articles found for {input_country},
SomethingWrong!!!")
        option=input("Doyouwanttosearchagain[Yes/No]?")
```

KEY_SEARCH.PY

```python
importrequests

defsearch_by_key(keyword):
    url="https://newscatcher.p.rapidapi.com/v1/search"

    querystring=
{"q":keyword,"lang":"en","sort_by":"relevancy","page":"1","media":"True"}

    headers={
        "X-RapidAPI-Key":"",
        "X-RapidAPI-Host":"newscatcher.p.rapidapi.com"
    }

    response = requests.request("GET", url,
headers=headers,params=querystring).json()

    title=[]ur
    l=[]url_im
    g=[]
    for i in
        response['articles']:title.append(i['t
        itle'])url.append(i['link'])url_img.ap
        pend(i['media_content'][0])

    returntitle,url,url_img
```

DEMO LINK : https://youtu.be/365dw8WKQc8