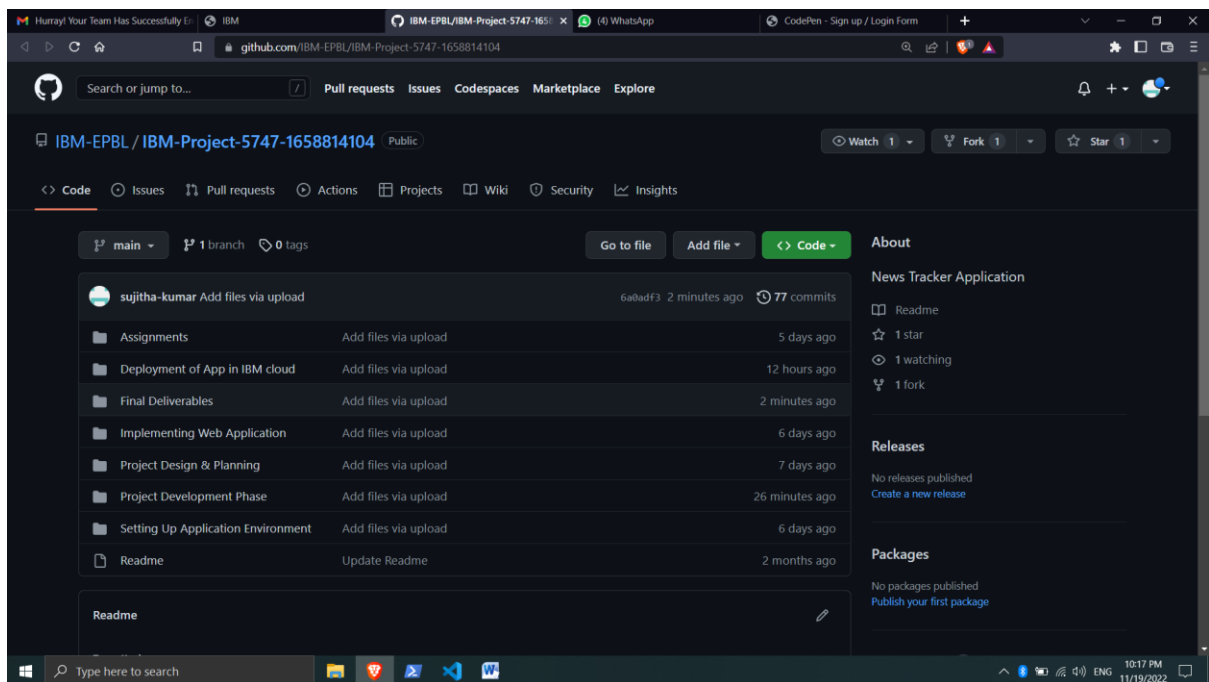


Project Name	News Tracker Application
Domain	Cloud Application Development
Team ID	PNT2022TMID19424

Team Leader	Sujitha.K
Team Member 1	Rishi.P
Team Member 2	Sri Nandhaan.B.A
Team Member 3	Santhiya.M

Project Files :

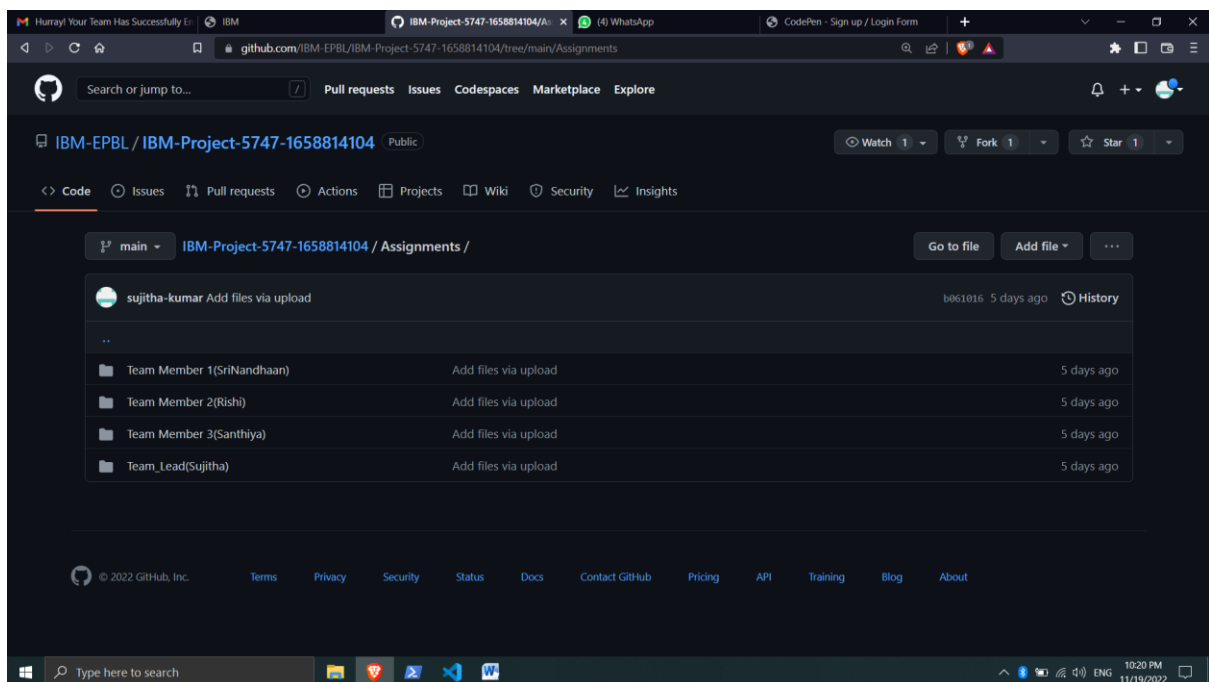


The screenshot shows the GitHub repository page for IBM-EPBL/IBM-Project-5747-1658814104. The repository is public and has 1 watch, 1 fork, and 1 star. The main branch is selected, showing 1 branch and 0 tags. The file list includes:

File/Folder	Action	Time
Assignments	Add files via upload	5 days ago
Deployment of App in IBM cloud	Add files via upload	12 hours ago
Final Deliverables	Add files via upload	2 minutes ago
Implementing Web Application	Add files via upload	6 days ago
Project Design & Planning	Add files via upload	7 days ago
Project Development Phase	Add files via upload	26 minutes ago
Setting Up Application Environment	Add files via upload	6 days ago
Readme	Update Readme	2 months ago

The Readme file is highlighted. The right sidebar shows the 'About' section with the title 'News Tracker Application', 1 star, 1 watching, and 1 fork. It also shows 'Releases' and 'Packages' sections, both indicating no published items.

Assignments :



The screenshot shows the GitHub repository page for IBM-EPBL/IBM-Project-5747-1658814104, specifically the 'Assignments' folder. The repository is public and has 1 watch, 1 fork, and 1 star. The main branch is selected, showing 1 branch and 0 tags. The file list includes:

File/Folder	Action	Time
Team Member 1(SriNandhaan)	Add files via upload	5 days ago
Team Member 2(Rishi)	Add files via upload	5 days ago
Team Member 3(Santhiya)	Add files via upload	5 days ago
Team_Lead(Sujitha)	Add files via upload	5 days ago

The Team_Lead(Sujitha) file is highlighted. The right sidebar shows the 'About' section with the title 'News Tracker Application', 1 star, 1 watching, and 1 fork. It also shows 'Releases' and 'Packages' sections, both indicating no published items.

IBM-Project-5747-1658814104 / Assignments / Team_Lead(Sujitha) /

Go to file Add file ...

sujitha-kumar Add files via upload f0316d0 5 days ago History

Assignment 1	Delete q.txt	7 days ago
Assignment 2/flask-app	Add files via upload	28 days ago
Assignment 3	Update index.html	6 days ago
Assignment 4	Add files via upload	5 days ago

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IBM-Project-5747-1658814104 / Assignments / Team Member 2(Rishi) /

Go to file Add file ...

sujitha-kumar Add files via upload 56d75e9 5 days ago History

Assignment 1	Add files via upload	7 days ago
Assignment 2/flask-app	Add files via upload	28 days ago
Assignment 3	Update index.html	6 days ago
Assignment 4	Add files via upload	5 days ago

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IBM-Project-5747-1658814104/A: (4) WhatsApp CodePen - Sign up / Login Form

github.com/IBM-EPBL/IBM-Project-5747-1658814104/tree/main/Assignments/Team%20Member%201(SriNandhaan)

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

IBM-EPBL / IBM-Project-5747-1658814104 Public Watch 1 Fork 1 Star 1

<> Code Issues Pull requests Actions Projects Wiki Security Insights

main IBM-Project-5747-1658814104 / Assignments / Team Member 1(SriNandhaan) / Go to file Add file ...

sujitha-kumar Add files via upload 3110e91 5 days ago History

..

Assignment 1	Add files via upload	7 days ago
Assignment 2/flask-app	Add files via upload	28 days ago
Assignment 3	Update index.html	6 days ago
Assignment 4	Add files via upload	5 days ago

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Type here to search

IBM-Project-5747-1658814104/A: (4) WhatsApp CodePen - Sign up / Login Form

github.com/IBM-EPBL/IBM-Project-5747-1658814104/tree/main/Assignments/Team%20Member%203(Santhiya)

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

IBM-EPBL / IBM-Project-5747-1658814104 Public Watch 1 Fork 1 Star 1

<> Code Issues Pull requests Actions Projects Wiki Security Insights

main IBM-Project-5747-1658814104 / Assignments / Team Member 3(Santhiya) / Go to file Add file ...

sujitha-kumar Add files via upload b061016 5 days ago History

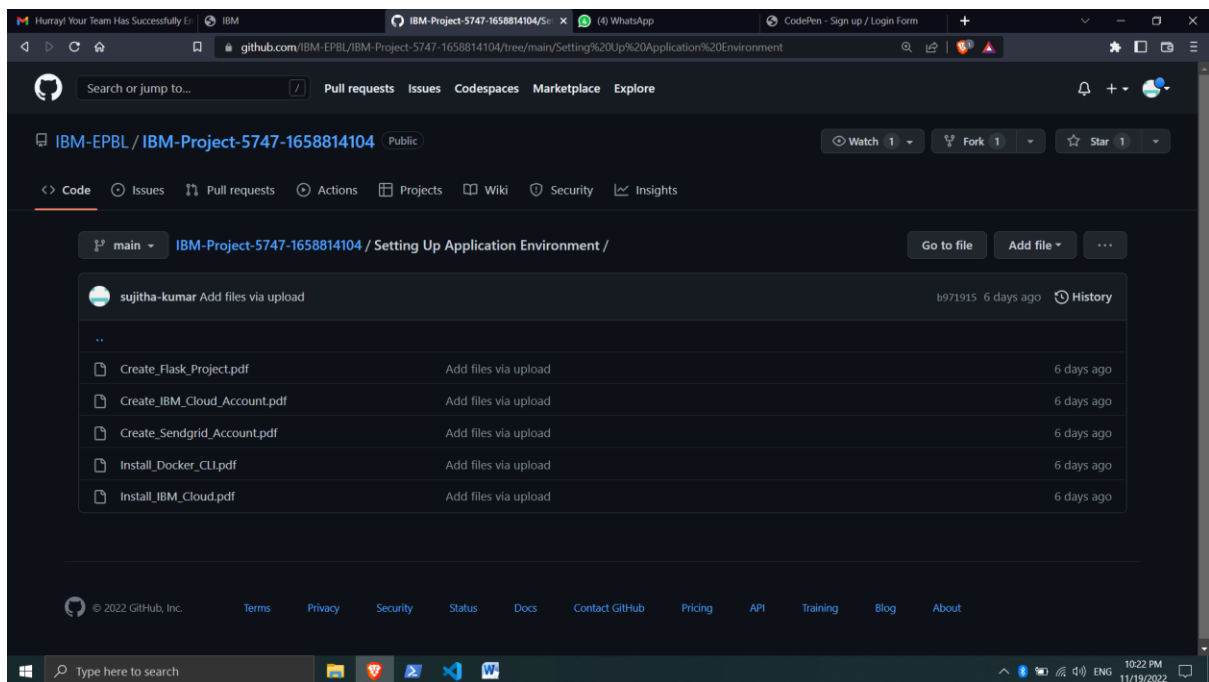
..

Assignment 1	Add files via upload	7 days ago
Assignment 2/flask-app	Add files via upload	28 days ago
Assignment 3	Update index.html	6 days ago
Assignment 4	Add files via upload	5 days ago

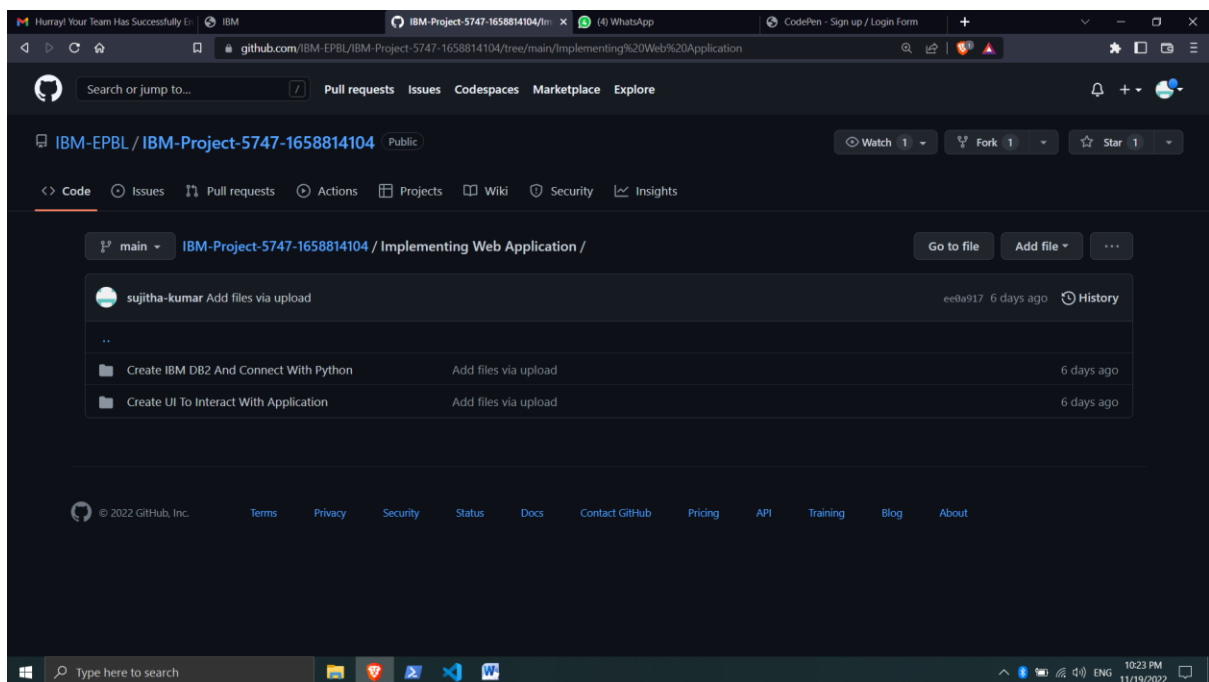
© 2022 GitHub, Inc. Terms Privacy Security Status Docs Contact GitHub Pricing API Training Blog About

Type here to search

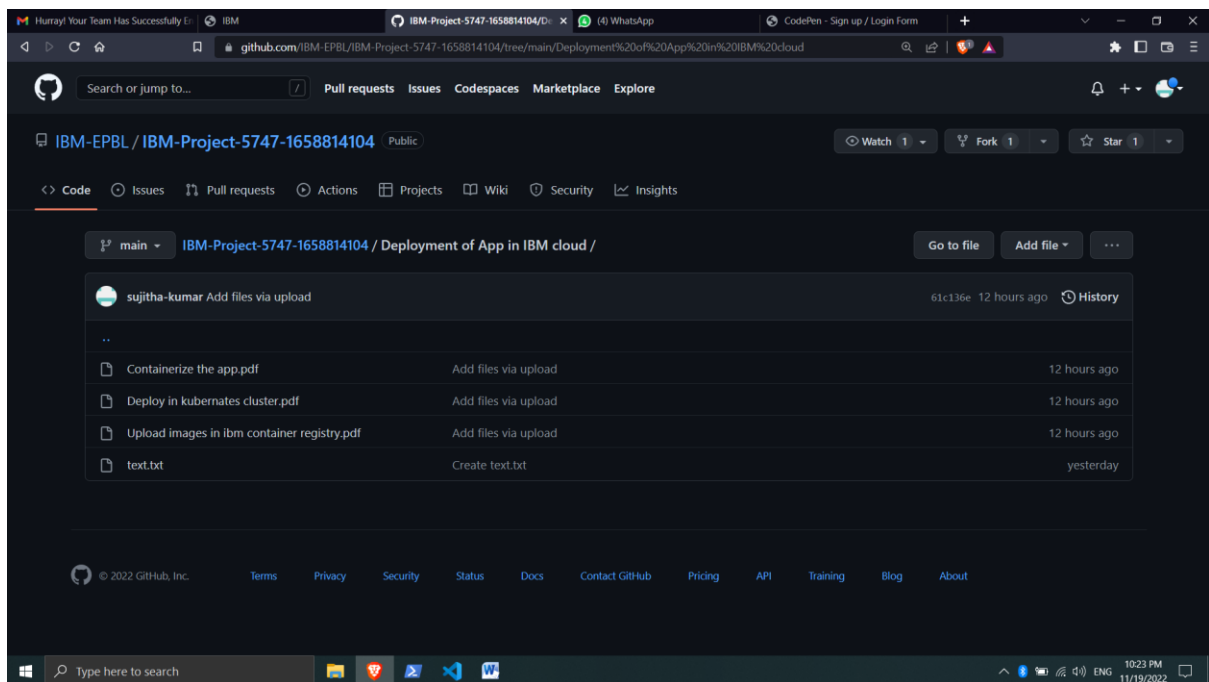
Setting Up Application Environment :



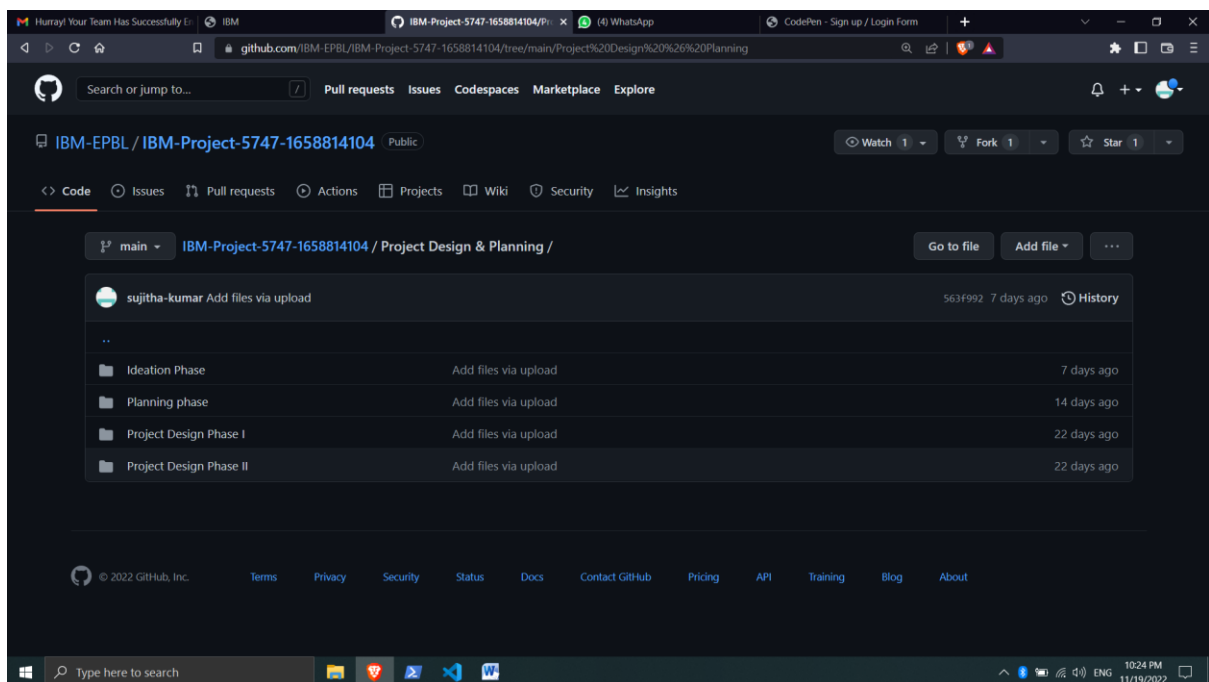
Implementing Web Application :



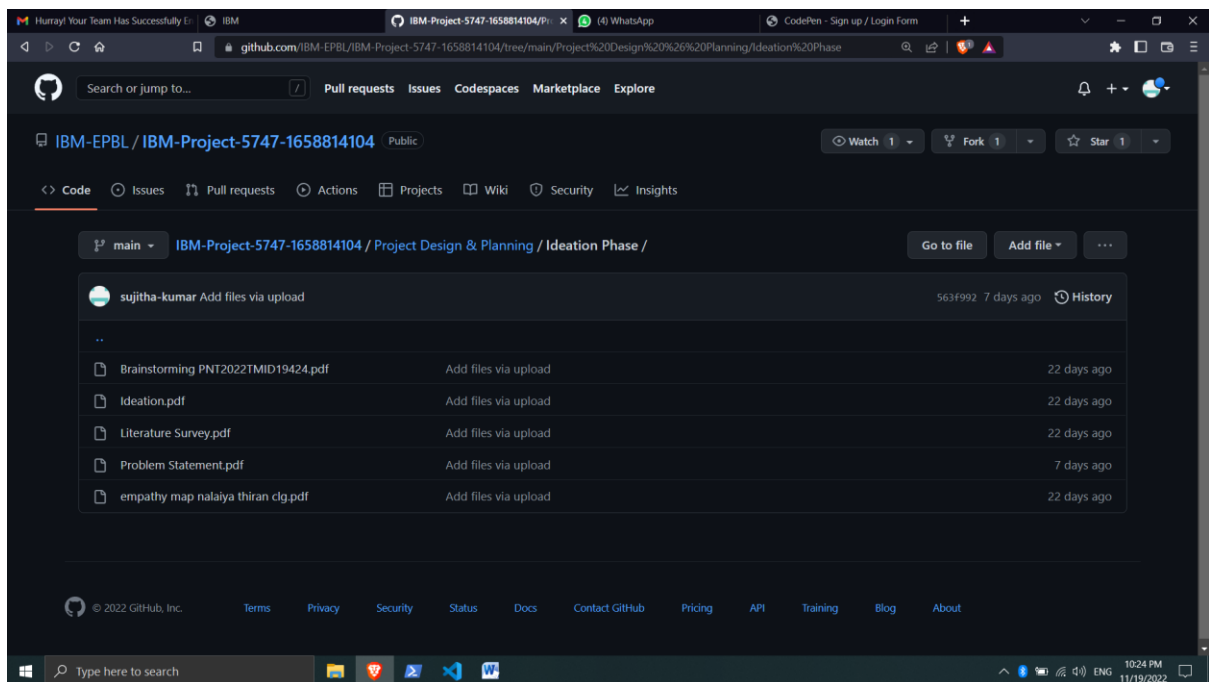
Deployment of App in IBM Cloud



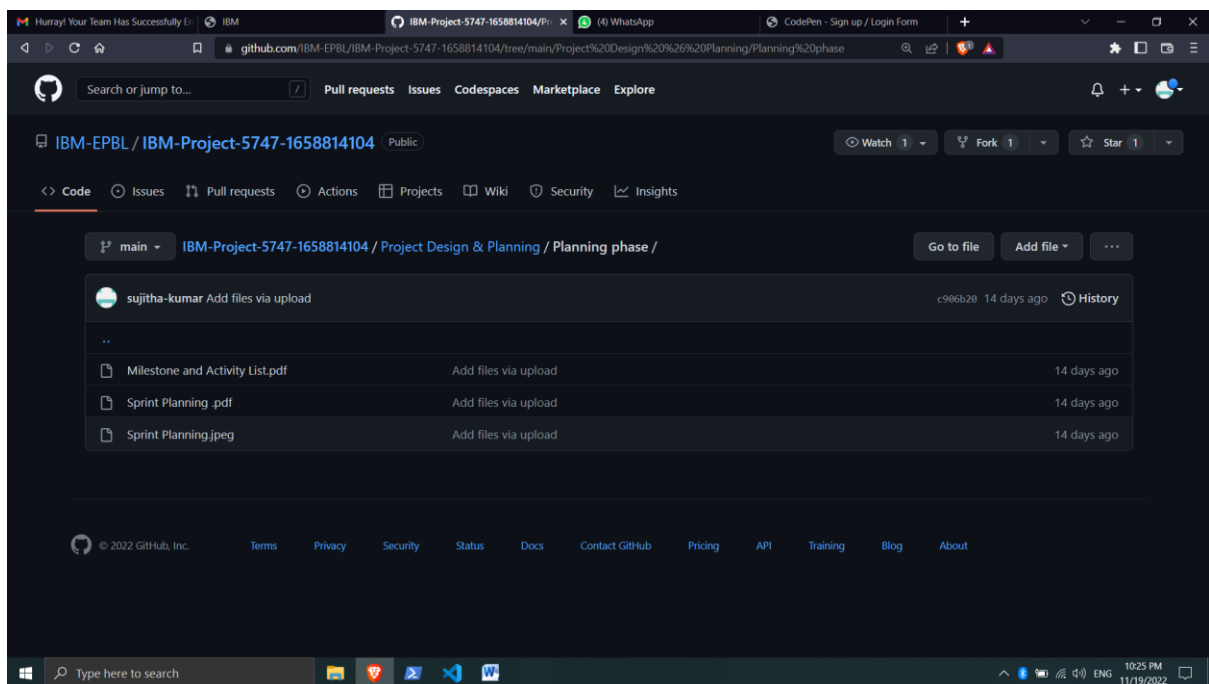
Project Design & Planning



Ideation Phase



Planning Phase



Project Design Phase I

The screenshot shows a GitHub repository page for 'IBM-EPBL / IBM-Project-5747-1658814104'. The repository is public and has 1 watch, 1 fork, and 1 star. The 'Code' tab is selected, and the directory path is 'main > IBM-Project-5747-1658814104 / Project Design & Planning / Project Design Phase I /'. A commit by 'sujitha-kumar' is shown, with a table of files added via upload:

File Name	Action	Time
Problem Solution PNT2022TMID19424.pdf	Add files via upload	22 days ago
Proposed Solution PNT2022TMID19424.pdf	Add files via upload	22 days ago
Solution Architecture PNT2022TMID19424.pdf	Add files via upload	22 days ago

The footer of the page shows the GitHub logo, copyright notice '© 2022 GitHub, Inc.', and various links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About. The Windows taskbar at the bottom shows the search bar and several application icons.

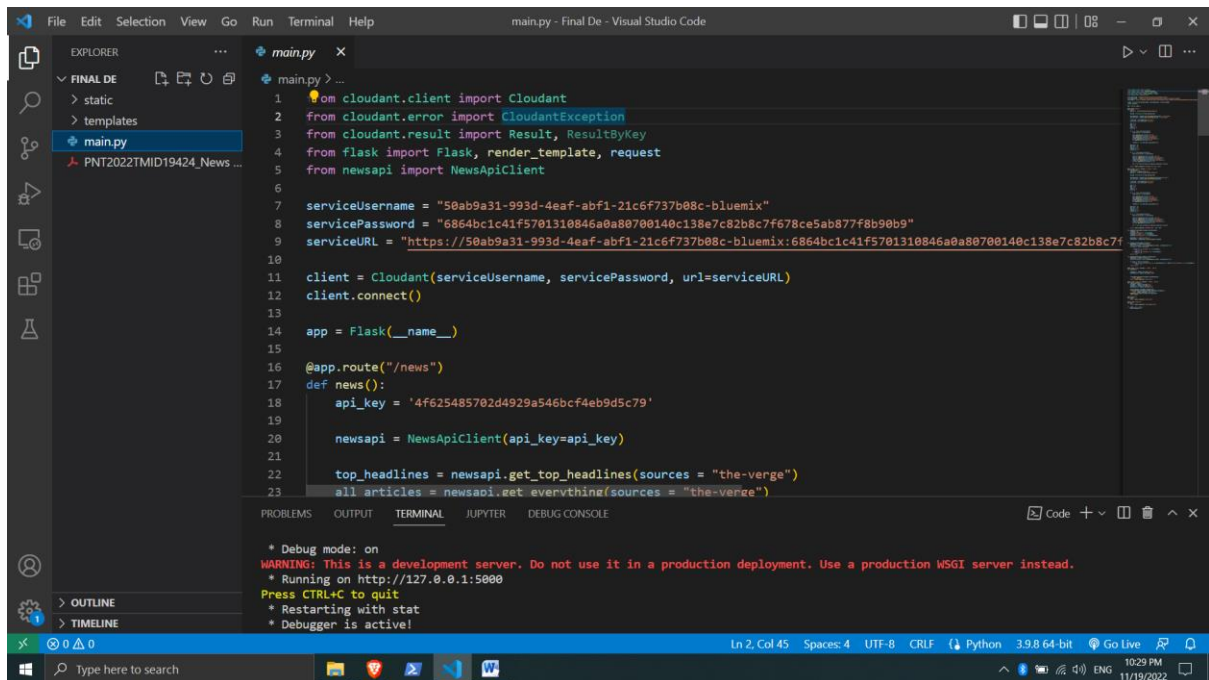
Project Design Phase I

The screenshot shows the same GitHub repository page, but the directory path is now 'main > IBM-Project-5747-1658814104 / Project Design & Planning / Project Design Phase II /'. A commit by 'sujitha-kumar' is shown, with a table of files added via upload:

File Name	Action	Time
Customer Journey.pdf	Add files via upload	22 days ago
Data Flow Diagram PNT2022TMID19424.pdf	Add files via upload	22 days ago
Solution Requirements PNT2022TMID19424.pdf	Add files via upload	22 days ago
Technology Architecture PNT2022TMID19424.pdf	Add files via upload	22 days ago

The footer and Windows taskbar are identical to the previous screenshot.

Project Code and Working Screenshot

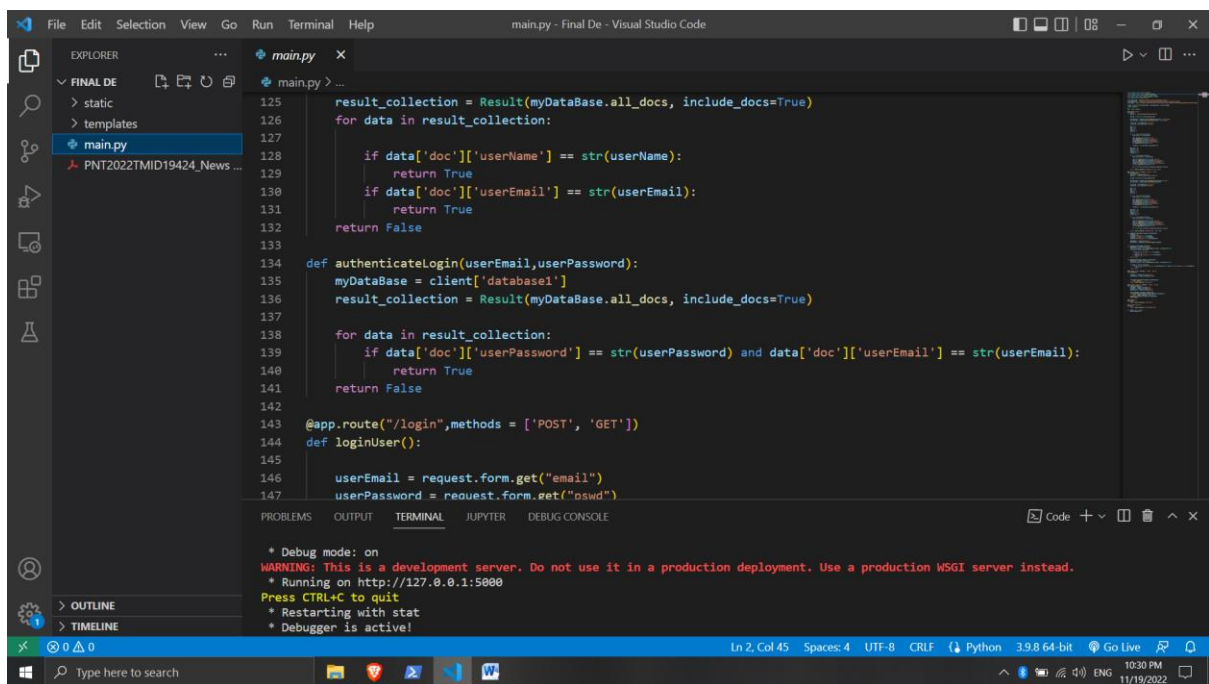


The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure with folders 'static' and 'templates', and a file 'main.py'. The 'main.py' file is open in the editor, showing the following code:

```
1 from cloudant.client import Cloudant
2 from cloudant.error import CloudantException
3 from cloudant.result import Result, ResultByKey
4 from flask import Flask, render_template, request
5 from newsapi import NewsApiClient
6
7 serviceUsername = "50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix"
8 servicePassword = "6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9"
9 serviceURL = "https://50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix:6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9@cloudant.net:30000"
10
11 client = Cloudant(serviceUsername, servicePassword, url=serviceURL)
12 client.connect()
13
14 app = Flask(__name__)
15
16 @app.route("/news")
17 def news():
18     api_key = '4f625485702d4929a546bcf4eb9d5c79'
19
20     newsapi = NewsApiClient(api_key=api_key)
21
22     top_headlines = newsapi.get_top_headlines(sources = "the-verge")
23     all_articles = newsapi.get_everything(sources = "the-verge")
```

The terminal at the bottom shows the following output:

```
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
```



The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure with folders 'static' and 'templates', and a file 'main.py'. The 'main.py' file is open in the editor, showing the following code:

```
125 result_collection = Result(myDataBase.all_docs, include_docs=True)
126 for data in result_collection:
127     if data['doc']['userName'] == str(userName):
128         return True
129     if data['doc']['userEmail'] == str(userEmail):
130         return True
131     return False
132
133
134 def authenticateLogin(userEmail, userPassword):
135     myDataBase = client['database1']
136     result_collection = Result(myDataBase.all_docs, include_docs=True)
137
138     for data in result_collection:
139         if data['doc']['userPassword'] == str(userPassword) and data['doc']['userEmail'] == str(userEmail):
140             return True
141     return False
142
143 @app.route("/login", methods = ['POST', 'GET'])
144 def loginUser():
145
146     userEmail = request.form.get("email")
147     userPassword = request.form.get("pswd")
```

The terminal at the bottom shows the following output:

```
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
```

```
File Edit Selection View Go Run Terminal Help
main.py - Final De - Visual Studio Code

EXPLORER
FINAL DE
  static
  templates
  main.py
PNT2022TMID19424_News ...

main.py
153
154 @app.route("/register", methods = ['POST', 'GET'])
155 def registerUserData():
156     userName = request.form.get("un")
157     userEmail = request.form.get("ue")
158     userPassword = request.form.get("up")
159
160     print(userEmail, userName, userPassword)
161     if(authenticate(userName=userName, userEmail=userEmail)):
162         return render_template("index.html")
163     addNewUser(userName, userEmail, userPassword)
164     return news()
165
166 @app.route("/")
167 def home():
168     return render_template("index.html")
169
170 @app.route("/contact")
171 def hh():
172     return render_template("contactPage.html")
173
174 if __name__ == '__main__':
175     app.run(debug=True)

TERMINAL
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
```

```
File Edit Selection View Go Run Terminal Help
index.html - Final De - Visual Studio Code

EXPLORER
FINAL DE
  static
  templates
  contactPage.html
  homePage.html
  index.html
main.py
PNT2022TMID19424_News ...

index.html
4 <meta charset="UTF-8">
5 <title>CodePen - Sign up / Login Form</title>
6 <link rel="stylesheet" href="../../static/mainStyle.css">
7
8 </head>
9 <body>
10 <!-- partial:index.partial.html -->
11 <!DOCTYPE html>
12 <html>
13 <head>
14 <title>Slide Navbar</title>
15 <link rel="stylesheet" href="{{url_for('static', filename='css/style2.css')}}">
16 <link href="https://fonts.googleapis.com/css2?family=Jost:wght@500&display=swap" rel="stylesheet">
17 </head>
18 <body>
19 <div class="main">
20 <input type="checkbox" id="chk" aria-hidden="true">
21
22 <div class="signup">
23 <form action = "/register" method="post">
24 <label for="chk" aria-hidden="true">Sign up</label>
25 <input type="text" name="un" placeholder="User name" required="">
26 <input type="email" name="ue" placeholder="Email" required="">

TERMINAL
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
```

The screenshot shows the Visual Studio Code editor with the file `index.html` open. The Explorer sidebar on the left shows the project structure: `FINAL DE` (containing `static` and `templates`), `templates` (containing `contactPage.html`, `homePage.html`, and `index.html`), `main.py`, and `PNT2022TMD19424_News...`. The `index.html` file is selected and its content is displayed in the editor. The code includes a Google Font link, a checkbox, a registration form, and a login form. The terminal at the bottom shows a warning about the development server and instructions to press `CTRL+C` to quit.

```
16 <link href="https://fonts.googleapis.com/css2?family=Jost:wght@500&display=swap" rel="stylesheet">
17 </head>
18 <body>
19   <div class="main">
20     <input type="checkbox" id="chk" aria-hidden="true">
21
22     <div class="signup">
23       <form action = "/register" method="post">
24         <label for="chk" aria-hidden="true">Sign up</label>
25         <input type="text" name="un" placeholder="User name" required="">
26         <input type="email" name="ue" placeholder="Email" required="">
27         <input type="password" name="up" placeholder="Password" required="">
28         <button type="submit">Sign up</button>
29       </form>
30     </div>
31
32     <div class="login">
33       <form action = "/login" method="post">
34         <label for="chk" aria-hidden="true">Login</label>
35         <input type="email" name="email" placeholder="Email" required="">
36         <input type="password" name="pswd" placeholder="Password" required="">
37         <button type="submit">Login</button>
38       </form>
39     </div>
40   </div>
41 </body>
42 </html>
```

PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE

* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!

Ln 1, Col 1 Tab Size: 4 UTF-8 LF HTML Go Live 10:30 PM 11/19/2022

The screenshot shows the Visual Studio Code editor with the file `homePage.html` open. The Explorer sidebar on the left shows the project structure: `FINAL DE` (containing `static` and `templates`), `templates` (containing `contactPage.html`, `homePage.html`, and `index.html`), `main.py`, and `PNT2022TMD19424_News...`. The `homePage.html` file is selected and its content is displayed in the editor. The code includes a navigation bar with a logo and links for Home and News. The terminal at the bottom shows a warning about the development server and instructions to press `CTRL+C` to quit.

```
15 <div class="container">
16   </div>
17 </body>
18
19 <div class="center">
20   <div class="bg-secondary">
21     <h2 class="logo" style="color: #FFD700;">News Tracker Application</h2>
22   </div>
23
24   <div class="nav">
25     <div class="navbar navbar-expand-lg" style="background-color: #050A30">
26       <div class="container-fluid">
27         <div class="collapse navbar-collapse" id="navbarSupportedContent">
28           <ul class="navbar-nav me-auto mb-2 mb-lg-0">
29             <li class="nav-item">
30               <a class="nav-link active" aria-current="page" href="#" style="color: #FFD700;">Home</a>
31             </li>
32             <li class="nav-item">
33               <a class="nav-link" href="#" style="color: #FFD700;">News</a>
34             </li>
35             <li class="nav-item">
36               <a class="nav-link" href="#" style="color: #FFD700;">News</a>
37             </li>
38           </ul>
39         </div>
40       </div>
41     </div>
42   </div>
43 </div>
```

PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE

* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF HTML Go Live 10:30 PM 11/19/2022

```
File Edit Selection View Go Run Terminal Help
homePage.html - Final De - Visual Studio Code

EXPLORER
FINAL DE
static
templates
contactPage.html
homePage.html
index.html
main.py
PNT2022TMID19424_News ...

templates > homePage.html > ...
46 <a class="nav-link" href="/" style="color: #FFD700;">Logout</a>
47 </li>
48 </ul>
49
50 <form class="d-flex role="search" action = "/search" method = "post">
51 <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search" name = "nm
52 <button class="btn btn-outline-light" type="submit">Search</button>
53 </form>
54 </div>
55 </div>
56 </nav>
57 <section id="main" class="bg-dark">
58
59
60
61 {% for title,desc,img,p_date,url in all %}
62 <div class="wrapper">
63 <div class="item"><a href="{{url}}"></a></div>
64 <div class = "c-box">
65 <div class="content"><a href="{{url}}"><h2 style="color: #FFD700;">{{title}}</h2></a></div>
66 <div class="content"><p>{{desc}}</p></div>
67 <div class="content"><p style="color: #0095B6; font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Luci
68 </div>

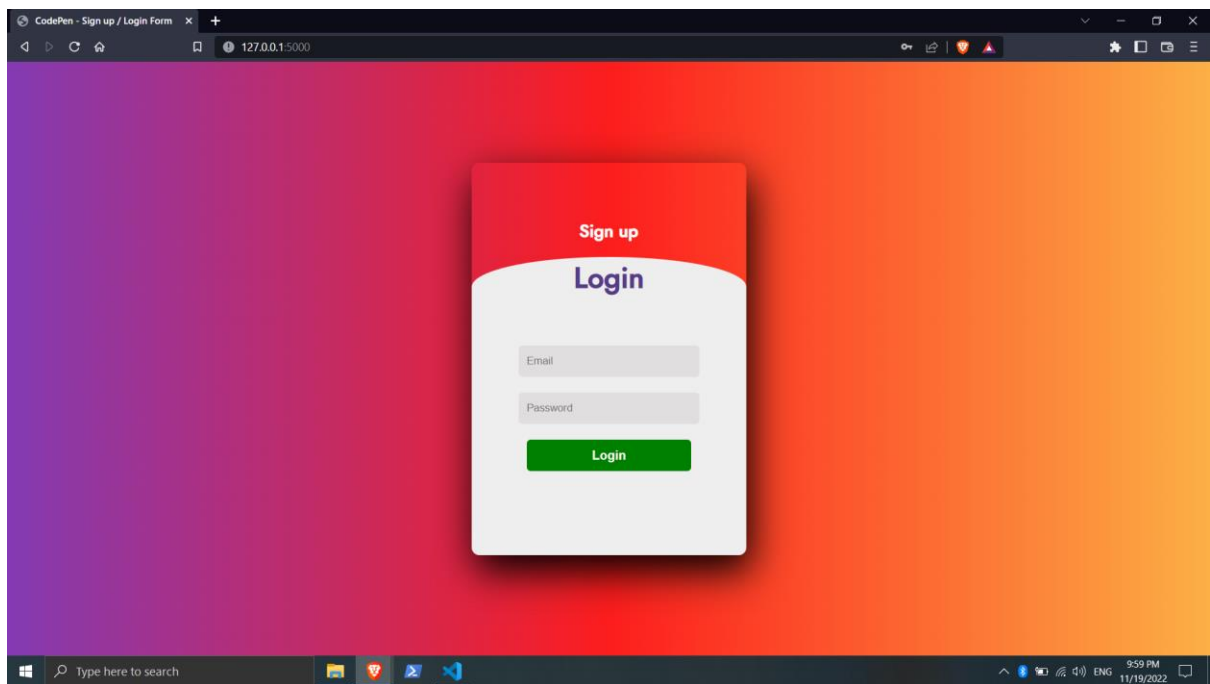
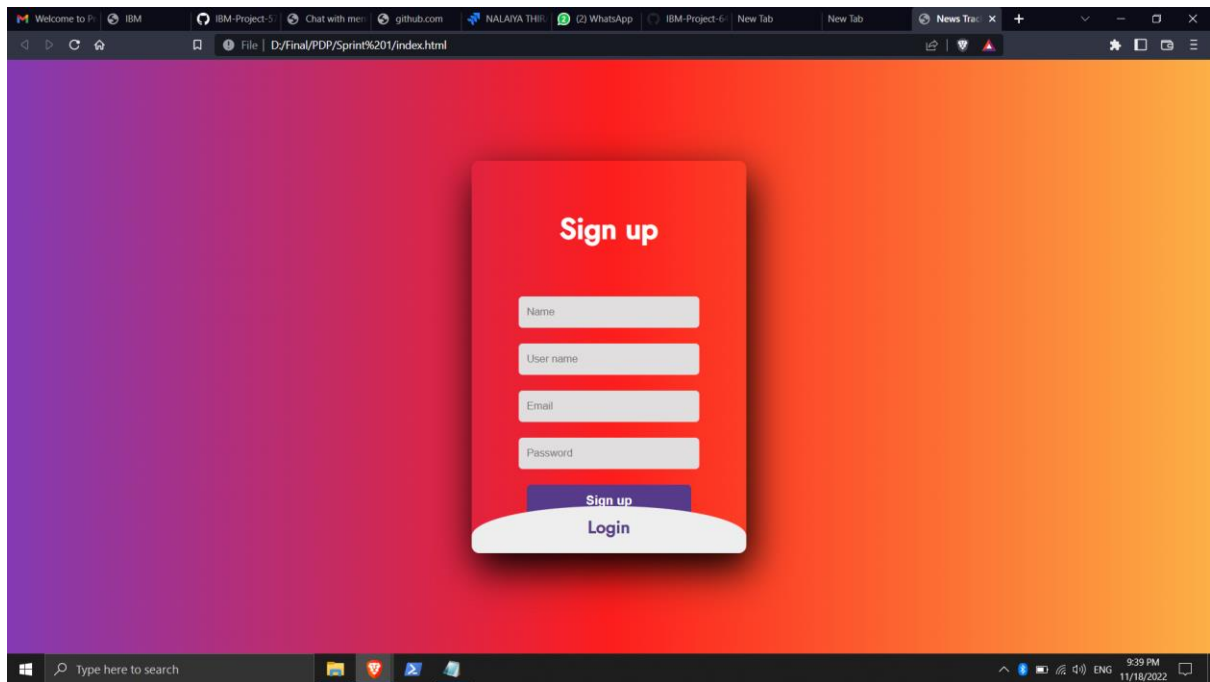
PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!

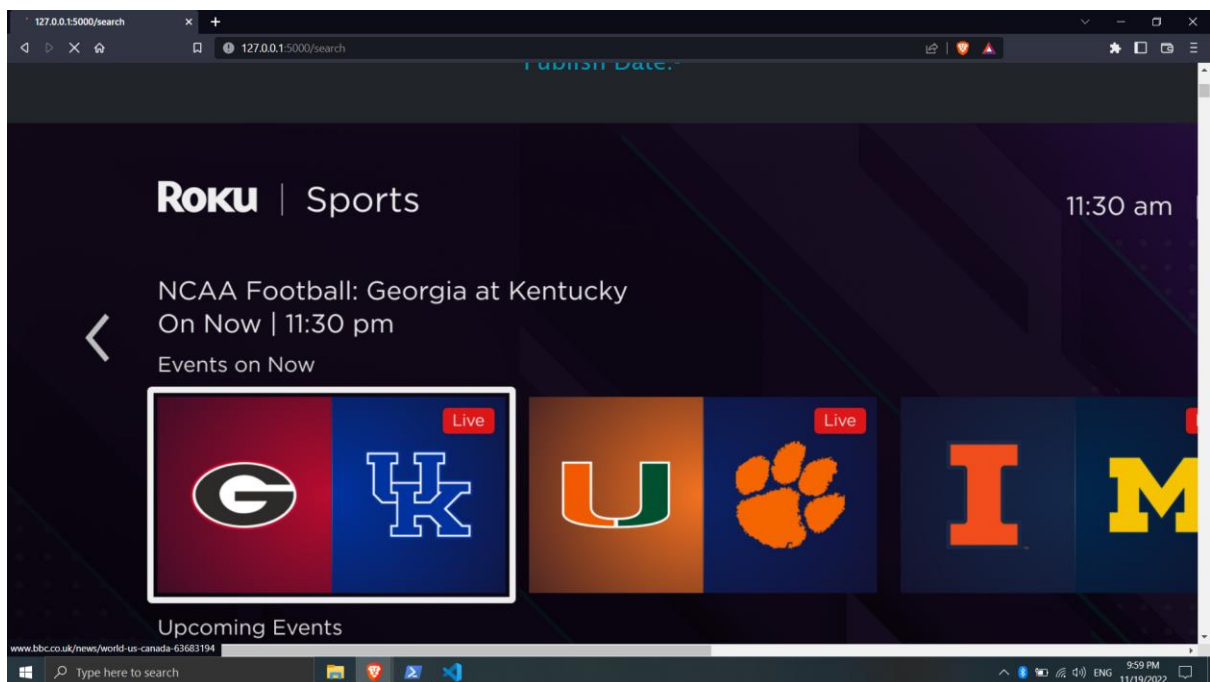
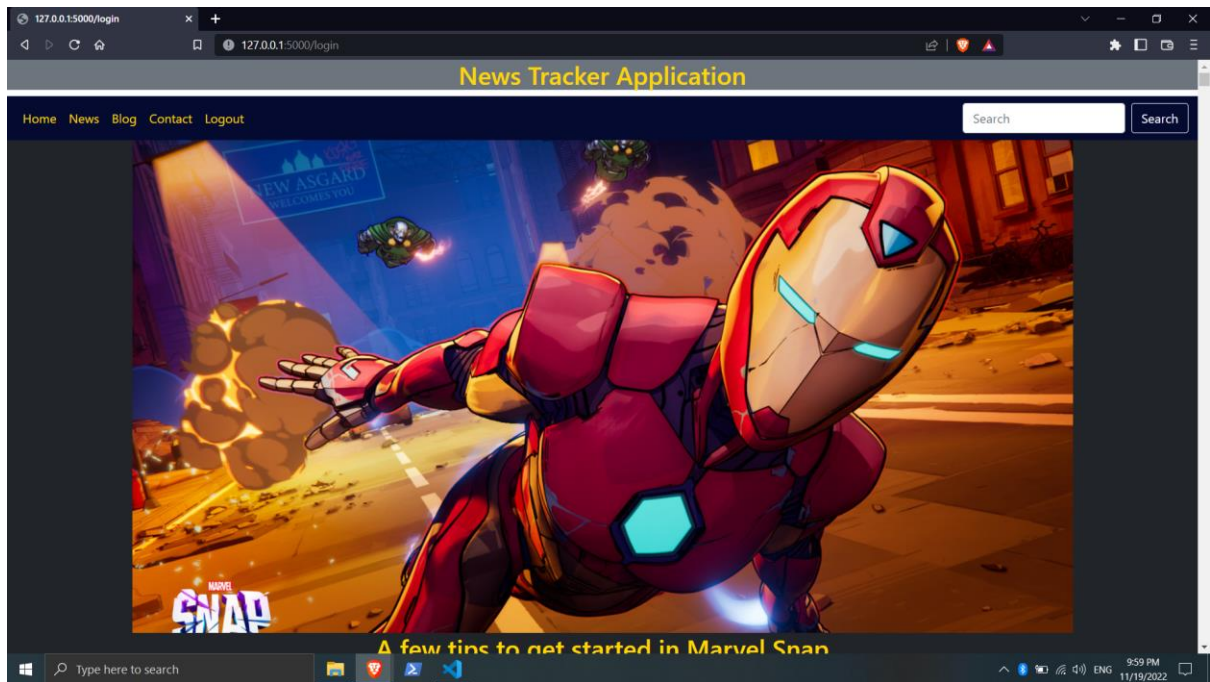
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF HTML Go Live
10:30 PM
11/19/2022
```

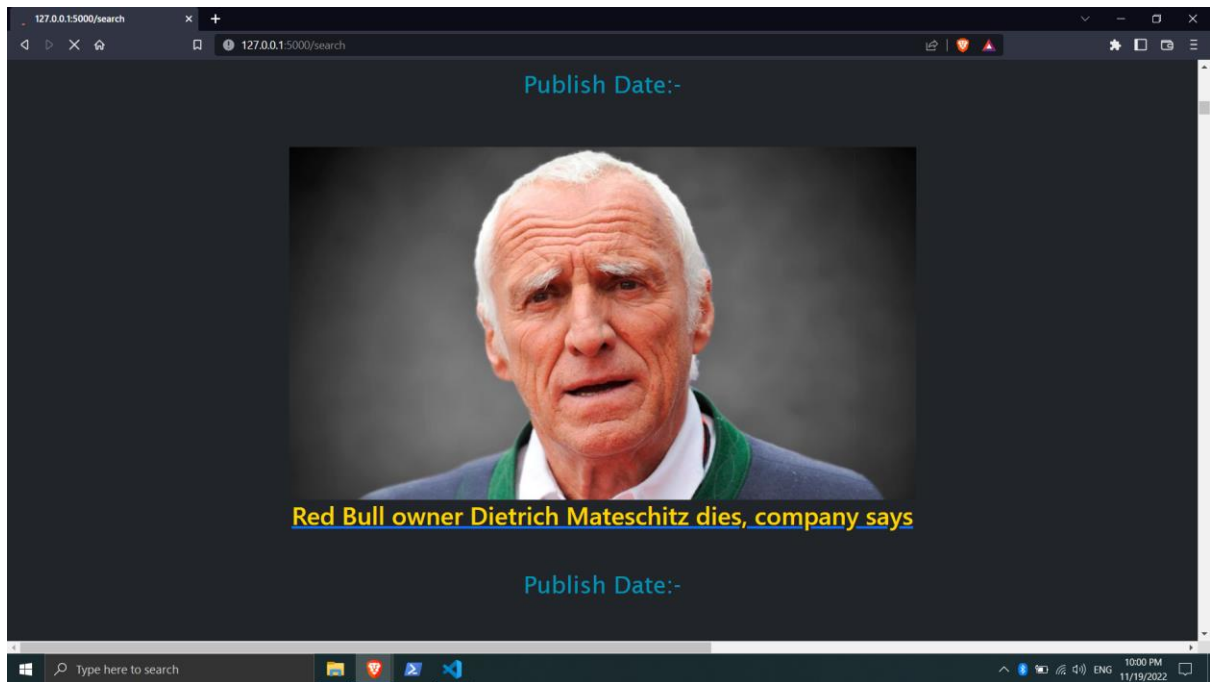
```
File Edit Selection View Go Run Terminal Help
contactPage.html - Final De - Visual Studio Code




EXPLORER
FINAL DE
static
templates
contactPage.html
homePage.html
index.html
main.py
PNT2022TMID19424_News ...

templates > contactPage.html > ...
11 <body>
12 <div class="h-100 d-flex align-items-center justify-content-center">
13 <table class="table table-bordered table-dark">
14
15 <tr>
16
17 <th scope="col">Team Member</th>
18 <th scope="col">Contact (Click the Symbol)</th>
19 </tr>
20
21 <tr>
22
23 <td>Rishi </td>
24 <td>
25
26
27 <a target="_blank" href="https://www.linkedin.com/in/rishi-palanivel-291612207/"><svg xmlns="http
28 <path d="M0 1.146C0 .513.526 0 1.175 0h13.65C15.474 0 16 .513 16 1.146v13.708c0 .633-.526 1.1
29 </svg>
30 </a>
31 </td>
32
33
```







Contact Details Page	
127.0.0.1:5000/contact	
Team Member	Contact(Click the Symbol)
Rishi	
Sujitha	
Sri Nandhaan	
Santhiya	