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EXPLORER
Projects
  gps_imu_backend
  life_data_app
  static
  templates
  _init_.py
  file_writer.py
  README.md
  requirements.txt
  sample_config.py
  start.sh

363 @app.route('/')
364 def index():
365     if session.get('username') is not None:
366         username = session.get('username')
367         return render_template('index.html')
368     else:
369         return redirect(url_for('login'))
370     return redirect(url_for('login'))
371

```

Fig9. Index Route Definition

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556 @app.route('/login', methods = ['POST', 'GET'])
557 def login():
558     if session.get('username') is None:
559         if request.method == 'GET':
560             return render_template('login.html')
561         else:
562             dbCheck = User.query.filter_by(username = request.form['username'], password = request.form['password']).first()
563             if dbCheck is not None:
564                 session['username'] = request.form['username']
565                 return redirect(url_for('index'))
566             else:
567                 return render_template('login.html', error = True)
568             return redirect(url_for('index'))
569
570 @app.route('/logout', methods = ['GET'])
571 def logout():
572     session['username'] = None
573     return redirect(url_for('login'))
574

```

Fig10. Login Route Definition

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EXPLORER
Projects
  gps_imu_backend
  life_data_app
  static
  templates
  index.html
  login.html
  per_battery.html
  predict_life.html
  raw_data.html
  to-do
  * gllignore
  _init_.py
  file_writer.py
  README.md
  requirements.txt
  sample_config.py
  start.sh
  test.py
  upload_test.py
  wsgi.py
  * Aditya-Mumbai-Life-New
  * Aditya-NV-Android.pem
  * Aditya_mumbai_life_data
  * Aditya_Mumbai_Move.per

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <link rel="stylesheet" type="text/css" href="static/css/material.min.css">
5 <link rel="stylesheet" type="text/css" href="static/css/mdl-selectfield.min.css">
6 <title>Battery Life Test</title>
7 <script src="static/js/plotly-latest.min.js"></script>
8 <script type = "text/javascript" src = "static/js/material.min.js"></script>
9 <script type = "text/javascript" src = "static/js/jquery-3.2.1.min.js"></script>
10 <script type = "text/javascript" src = "static/js/mdl-selectfield.min.js"></script>
11 <link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
12 <link rel="stylesheet" type="text/css" href="static/css/style.css">
13 </head>
14 <body>
15 <div class="loader mdl-spinner mdl-js-spinner" id = "spinner"></div>
16 <!-- <a href="/logout">Logout</a> -->
17 <div id="ds" class="cl">{{data}}</div>
18
19 <div class="mdl-layout mdl-js-layout mdl-layout--fixed-header">
20 <header class="mdl-layout_header">
21 <div class="mdl-layout_header-row">
22 <!-- Title -->
23 <span class="mdl-layout-title">Power Data of All Batteries</span>
24 <!-- Add spacer, to align navigation to the right -->
25 <div class="mdl-layout-spacer"></div>
26 <!-- Navigation. We hide it in small screens. -->
27 <nav class="mdl-navigation mdl-layout--large-screen-only">
28 <a class="mdl-navigation_link" href="/logout">Logout</a>
29 </nav>
30 </div>
31 </header>
32 <div class="mdl-layout_drawer">
33 <span class="mdl-layout-title">
34 
35 </span>
36 <nav class="mdl-navigation">
37 <a class="mdl-navigation_link" href="/">Overview</a>
38 <a class="mdl-navigation_link" href="/perBatteryData">Per Battery Data</a>
39 <a class="mdl-navigation_link" href="/predictLife">Regression Output</a>
40 <a class="mdl-navigation_link" href="/getRawData">Download Raw Data</a>
41 </nav>
42 </div>
43 <main class="mdl-layout_content">
44 <div class="page-content">
45 <div class="mdl-grid">
46 <div class="mdl-cell mdl-cell--18-col">

```

Fig11. Home Page HTML