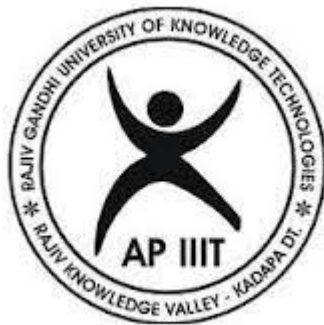


PROJECT REPORT

on

“E-COURT”

Department of Computer Science and Engineering



Rajiv Gandhi University of Knowledge Technologies (RGUKT)
RK VALLEY

submitted by

D.Pavani-R171131

Under the Esteemed guidance of

Mr. Satynandaram N

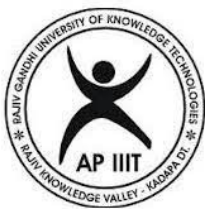
RGUKT RK Valley.

DECLARATION

We hereby declare that the report of the B.Tech Major Project Work entitled “**E-COURT**” which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree in Bachelor of Technology in Computer Science and Engineering, It is a bonafide report of the work carried out by us. The material contained in this report has not been submitted to any university or institution for award of any degree.

D.PAVANI – R171131

Dept. Of Computer Science and Engineering.



**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE
TECHNOLOGIES**

(A.P.Government Act 18 of 2008)

RGUKT, RK VALLEY

Department of Computer Science and Engineering

CERTIFICATE FOR PROJECT COMPLETION

This is certify that the project entitled “E-COURT” submitted by **D.PAVANI(R171131)** , under our guidance and supervision for the partial fulfillment for the degree Bachelor of Technology in Computer Science and Engineering during the academic semester-2 2022-2023 at RGUKT, RK VALLEY.To the best of my knowledge, the results embodied in this dissertation work have not been submitted to any University or Institute for the award of any degree or diploma.

Project Internal Guide

Mr N.Satyanandaram
RGUKT, RK Valley

Head Of The Department

N.Satyanandaram
RGUKT, RK Valley

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ABSTRACT

E-Court case detail system is an online platform designed for lawyers and judges effeciently to manage the case details and reduce paper-based records. This system will enable advocates to have easy access to case details ,court proceeding records and case history . The main aim of the E-COURT project is to store the cases that are filed in the court and to maintain the records of that cases and generate PDF of cases.This project helps to keep tracking of the cases that are filed and the status of the cases.The e-court project provides effecient and time bound, transparent, affordable case details. It gives access to the case status information. This project is designed by using HTML,CSS,Angular JS as Front-end and the database is connected to the google firebase. The Google Firebase Realtime Databse is a cloud-hosted NoSQL database that lets you store and sync the between your users in realtime.Cloud Firestore anables you to store, sync and query app data at global scope.

The Advocate store the case details, case status ,Petitioner and advocate that are consulted, the acts and the history of case hearing, objections and additional information about the cases and all these information is stored in the google cloud firebase,whenever the advocate want the case details he can go to the firebase and search for the case details accordance to case type or registration name and etc, he can also use filter operation by name filter or date filter to get the case details in order.

2.INTRODUCTION

E-COURT is a web-based application handled by the single client and has form groups which is used to store the data and the form arrays that are used to store the repeated groups and we can modify the data in it whenever we want. The project was developed by using HTML,CSS and angular JS and it have onle one module i.e.,

- Admin/User

Admin/User Module:

Login: Users will be able to log in to the system using their credentials.

Create and manage case details: Users will be able to create and manage case details, including case number, case title, parties involved, and case status.

Dashboard:It contains all the statistics that are included in the storing of case details.

court proceedings records: Users will be able to upload court proceedings records, including hearing dates, court orders, and other relevant documents.

View case history: Users will be able to view the case history, including previous case details and proceedings records.

Notifications: Users will receive notifications on the system when a new case is assigned them or when there is a new update on an existing case.

Reporting: The system will generate reports on case details court proceedings.

SCOPE:

E-Court case details system is designed to provide an online platform where users can access case-related information. The system will allow lawyers and judges to:

- Create and manage case details
- Upload court proceedings records
- View case history

- Send notifications to users
- Access the system from any location
- Ensure data security and privacy

2.2.Purpose:

E-Court case details system is an online platform designed for lawyers and judges to efficiently manage the case details and reduce paper-based records. The system will enable judges and lawyers to have easy access to case details, court proceedings records, and case history. The system will provide a secure and reliable environment for users to manage their case details seamlessly.

2.3.Product Vision:

Vision Statement:

The traditional court system is a time and paper-intensive process. All case details and records are maintained in files and documents, making it difficult for lawyers and judges to manage cases efficiently. The traditional process is not only difficult but also prone to errors, delays, and information loss. The electronic system will provide a better alternative to the traditional system. To overcome this problem we have been introduced the E-Court project that the case details are stored and used efficiently.

3.TECHNOLOGIES

- HTML
- CSS
- Angular JS
- Firebase

HTML:

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages

CSS:

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

Angular JS:

Angular JS is **a structural framework for dynamic web apps**. It lets you use HTML as your template language and lets you extend HTML's syntax to express your application's components clearly and succinctly. Angular JS's data binding and dependency injection eliminate much of the code you would otherwise have to write.

Angular JS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop . Angular JS is a tool set for building the framework most suited to your application development. It is fully extensible and works well with other libraries. Every feature can be modified or replaced to suit your unique development workflow and feature needs.

Google Firebase:

Google Analytics for Firebase lets you export your mobile app data (iOS and Android) to BigQuery and, by matching on UserID, gives you a complete picture of app engagement across channels and devices.

4 SYSTEM REQUIREMENT SPECIFICATION

4.1 NON FUNCTIONAL REQUIREMENTS

4.1.1 SOFTWARE REQUIREMENTS

This web site requires the following software in Server, clients.

Server-side Requirements:

Server Operating System Ubuntu Linux, Microsoft Windows

Hosting: Google cloud

Web Server: Firebase

Client side Requirements:

All devices compatible.

4.1.2 HARDWARE REQUIREMENTS:

No hardware needed.

4.2 FUNCTIONAL REQUIREMENTS

4.2.1 PRODUCT REQUIREMENTS

This website is an online tour management system that provides the following features.

Admin:

Login with Google or OTP:

In this module the admin first have to log in to the firebase by using log in credentials or by gmail or using OTP.

Add Case:

Here the admin have to fill all the credentials that have included in this page like case Type and case filing number, CNR number and Registration number.

Case details:

These module contains all the case details like Case filing data and Registartion number and Registration date, case Type, Case filing number, and CNR number.

Case status:

Case status keeps tracking of case deatils. it includes the case First hearing date, Next hearing date, stage of case, location of the case filing like state and district of the case filing. It contains the petetioner and the respondant and also the advocate deatils that have been assigned.

Acts and History of Case Hearing:

In this module it contains the acts that have been included in the case and also includes the history of the case hearing.

Case list:

It conatins the list of cases that have been listed in accoradnce to month and the year.

View Case Details:

In this module it conatins the view module which will siaplay the case details. it contains all the case details.

Generate pdf:

This module is used to generate the pdf format of the case details. By using the MPDF Library and Adobe the pdf is generated.

Search:

This search module uses to find the specific case details, search can be anything accordance to case details.

Filter:

Filter module is used to display the specific case details by applying filter operation.

4.2.2 PERFORMANCE REQUIREMENTS

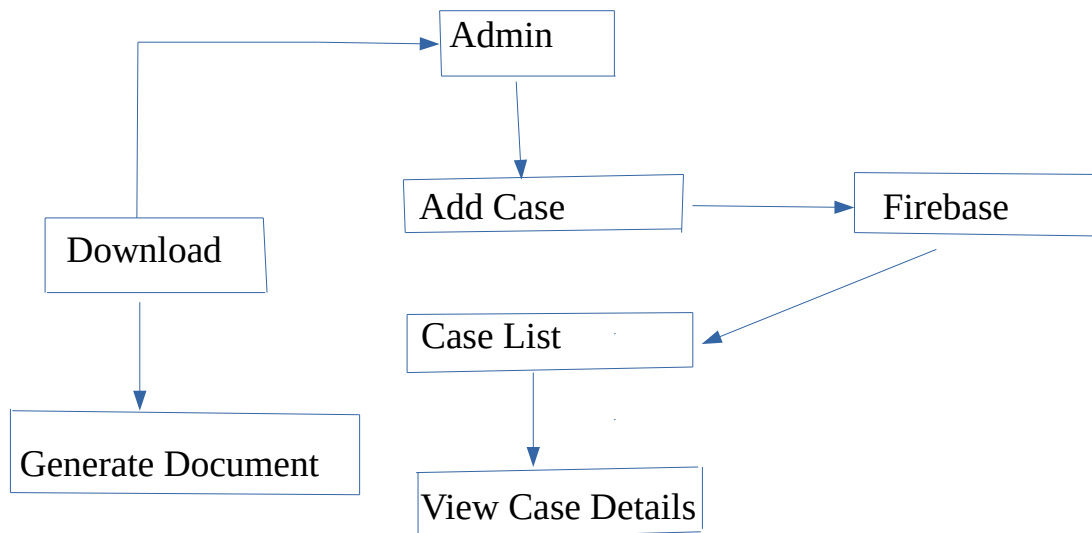
The following performance requirements should be maintained in the project.

- Each page in the site needs to load in a reasonable amount of time.
- Latest web techniques like Caching should be implemented to speed up the loading of dynamic pages. This will also improve the access facility as connections are freed faster.
- Every module should be accessed within the responsive time and it should be maintained properly.
- The advocate should access the pages according to case details that he have been required.
- The data should be stored precisely and effeciently so that the no third party syatems are able to access the data.
- The new updates shpould be automatically stored in the google firebase and it should provide the access to the data to advocate within the required responsive time.
- The google firebase should be automatically update to the new technologies that will increase or add up the new features which will improve the effeciency of data.
- The loading time of the dynamic pages should be effeciently increased.

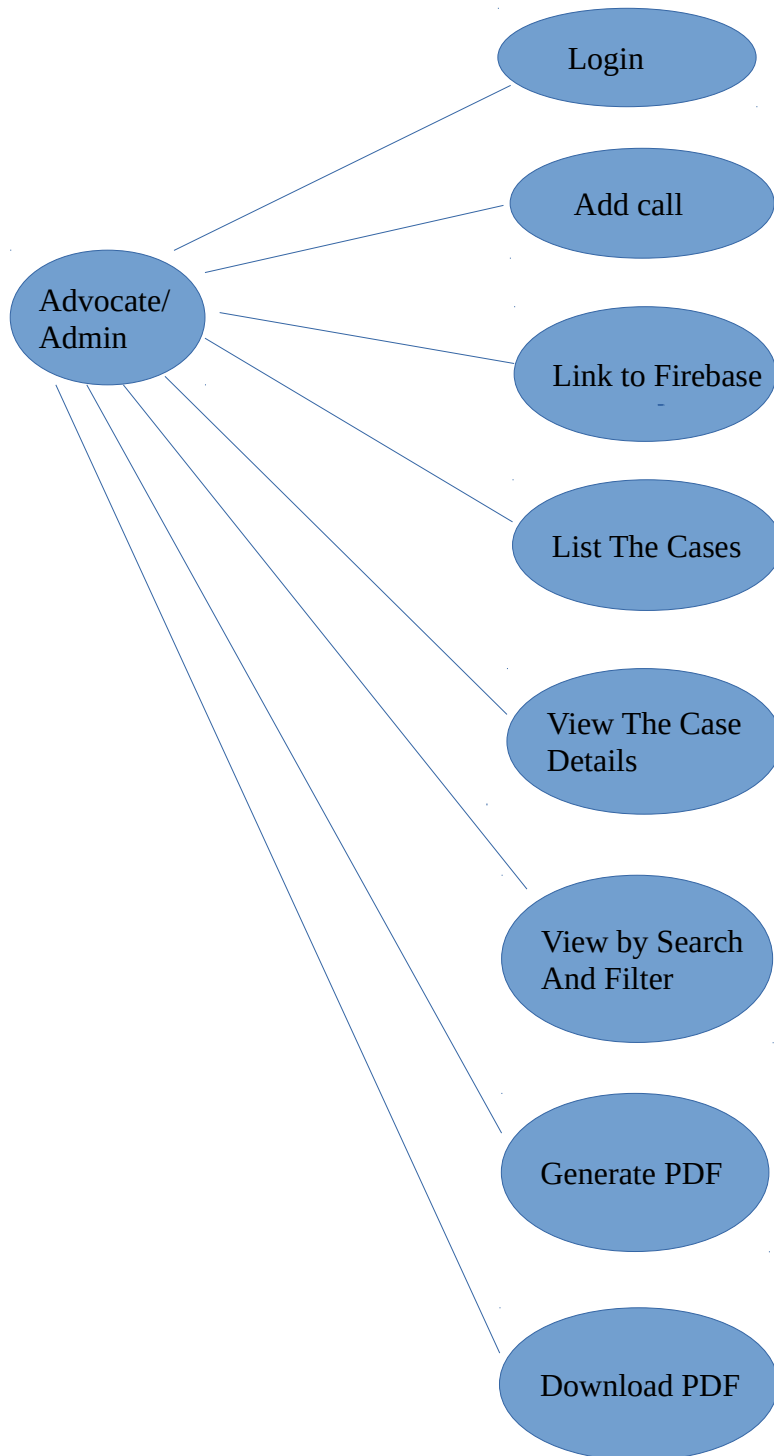
5.System Design

The E-COURT case details management system helps the advocates to reduce the paper work and store the case details according to the case type,case registration number,CNR number and so on. This means the advocate can access the case details at any cost by using serach and filter operation that are provided by the Angular JS.

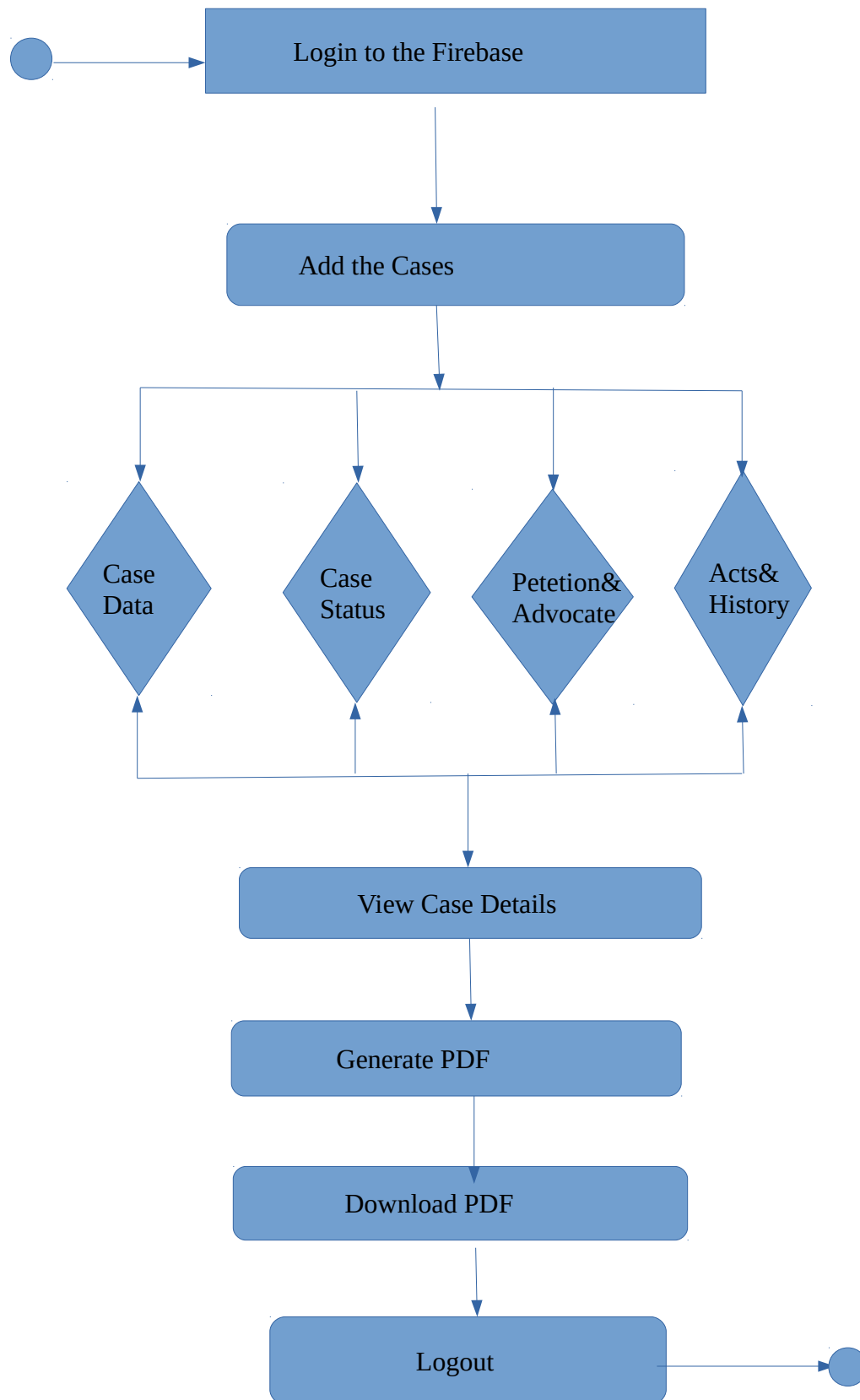
5.1.Context Diagrams



5.2 Use Case Diagrams



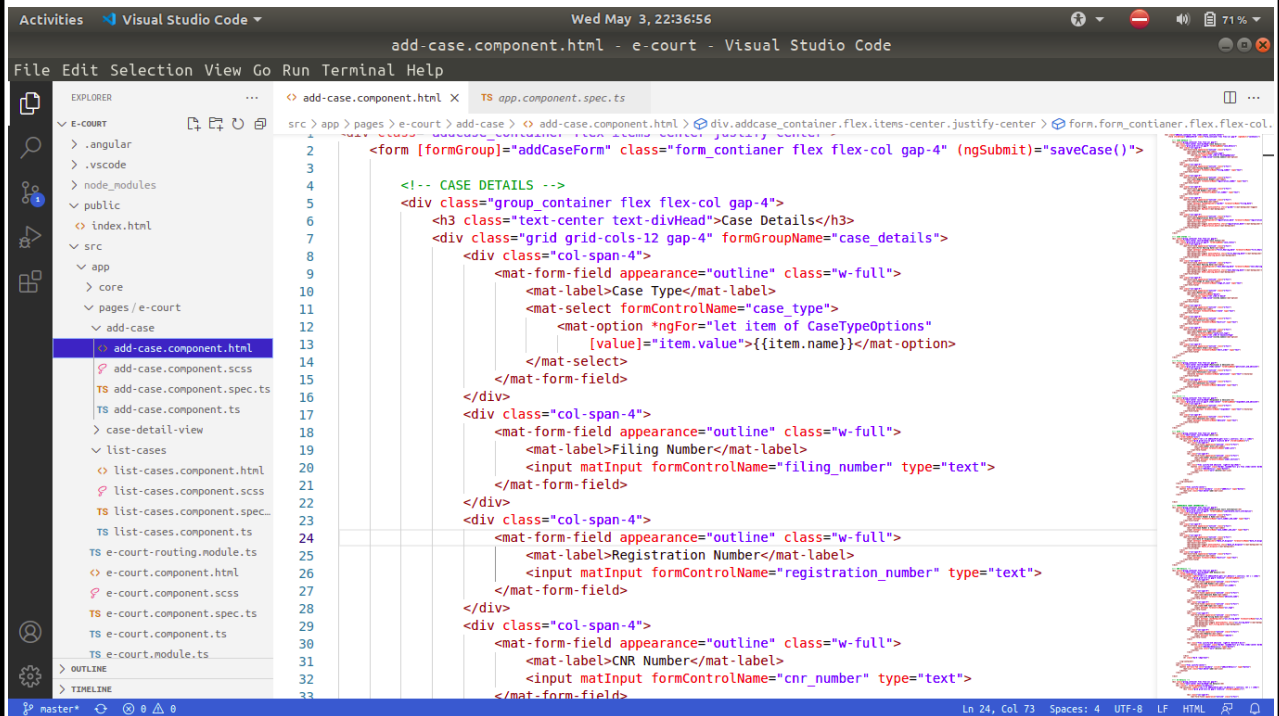
5.3 Activity Diagram



6.CODING

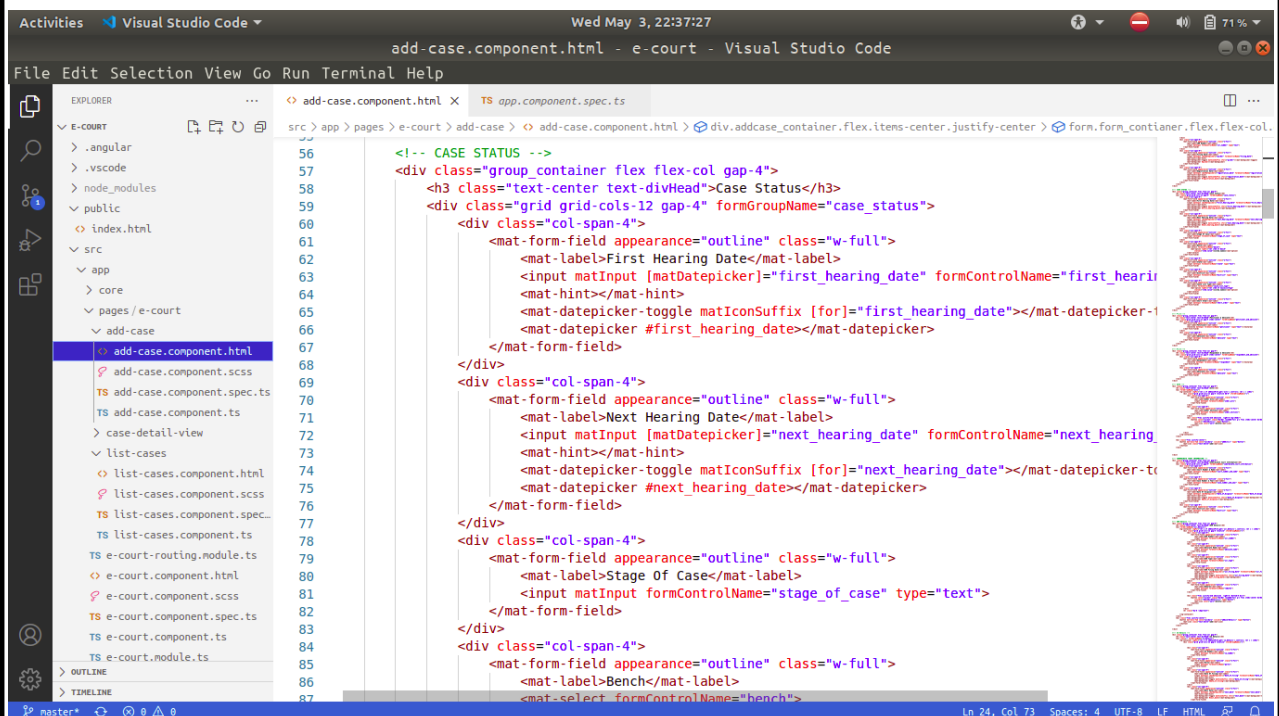
6.1-HTML Pages:

6.1.1:CASE DETAILS:



```
add-case.component.html x TS app.component.spec.ts
src > app > pages > e-court > add-case > add-case.component.html > div.addcase_container.flex.items-center.justify-center > form.form_container.flex.flex-col
<form [formGroup]="addCaseForm" class="form_container flex flex-col gap-4" (ngSubmit)="saveCase()">
  <!-- CASE DETAILS -->
  <div class="group_container flex flex-col gap-4">
    <h3 class="text-center text-divHead">Case Details</h3>
    <div class="grid grid-cols-12 gap-4" formGroupName="case_details">
      <div class="col-span-4">
        <mat-form-field appearance="outline" class="w-full">
          <mat-label>Case Type</mat-label>
          <mat-select formControlName="case_type">
            <mat-option *ngFor="let item of CaseTypeOptions" [value]="item.value">{{item.name}}</mat-option>
          </mat-select>
        </mat-form-field>
      </div>
      <div class="col-span-4">
        <mat-form-field appearance="outline" class="w-full">
          <mat-label>Filing Number</mat-label>
          <input matInput formControlName="filing_number" type="text">
        </mat-form-field>
      </div>
      <div class="col-span-4">
        <mat-form-field appearance="outline" class="w-full">
          <mat-label>Registration Number</mat-label>
          <input matInput formControlName="registration_number" type="text">
        </mat-form-field>
      </div>
      <div class="col-span-4">
        <mat-form-field appearance="outline" class="w-full">
          <mat-label>CNR Number</mat-label>
          <input matInput formControlName="cnr_number" type="text">
        </mat-form-field>
      </div>
    </div>
  </div>
</form>
```

6.1.2:CASE STATUS



```
add-case.component.html x TS app.component.spec.ts
src > app > pages > e-court > add-case > add-case.component.html > div.addcase_container.flex.items-center.justify-center > form.form_container.flex.flex-col
<!-- CASE STATUS -->
<div class="group_container flex flex-col gap-4">
  <h3 class="text-center text-divHead">Case Status</h3>
  <div class="grid grid-cols-12 gap-4" formGroupName="case_status">
    <div class="col-span-4">
      <mat-form-field appearance="outline" class="w-full">
        <mat-label>First Hearing Date</mat-label>
        <input matInput [matDatepicker]="first_hearing_date" formControlName="first_hearing_date">
        <mat-hint></mat-hint>
        <mat-datepicker-toggle matIconSuffix [for]="first_hearing_date"></mat-datepicker-toggle>
        <mat-datepicker #first_hearing_date</mat-datepicker>
      </mat-form-field>
    </div>
    <div class="col-span-4">
      <mat-form-field appearance="outline" class="w-full">
        <mat-label>Next Hearing Date</mat-label>
        <input matInput [matDatepicker]="next_hearing_date" formControlName="next_hearing_date">
        <mat-hint></mat-hint>
        <mat-datepicker-toggle matIconSuffix [for]="next_hearing_date"></mat-datepicker-toggle>
        <mat-datepicker #next_hearing_date</mat-datepicker>
      </mat-form-field>
    </div>
    <div class="col-span-4">
      <mat-form-field appearance="outline" class="w-full">
        <mat-label>Stage Of Case</mat-label>
        <input matInput formControlName="stage_of_case" type="text">
      </mat-form-field>
    </div>
    <div class="col-span-4">
      <mat-form-field appearance="outline" class="w-full">
        <mat-label>Bench</mat-label>
        <mat-select formControlName="bench">

```

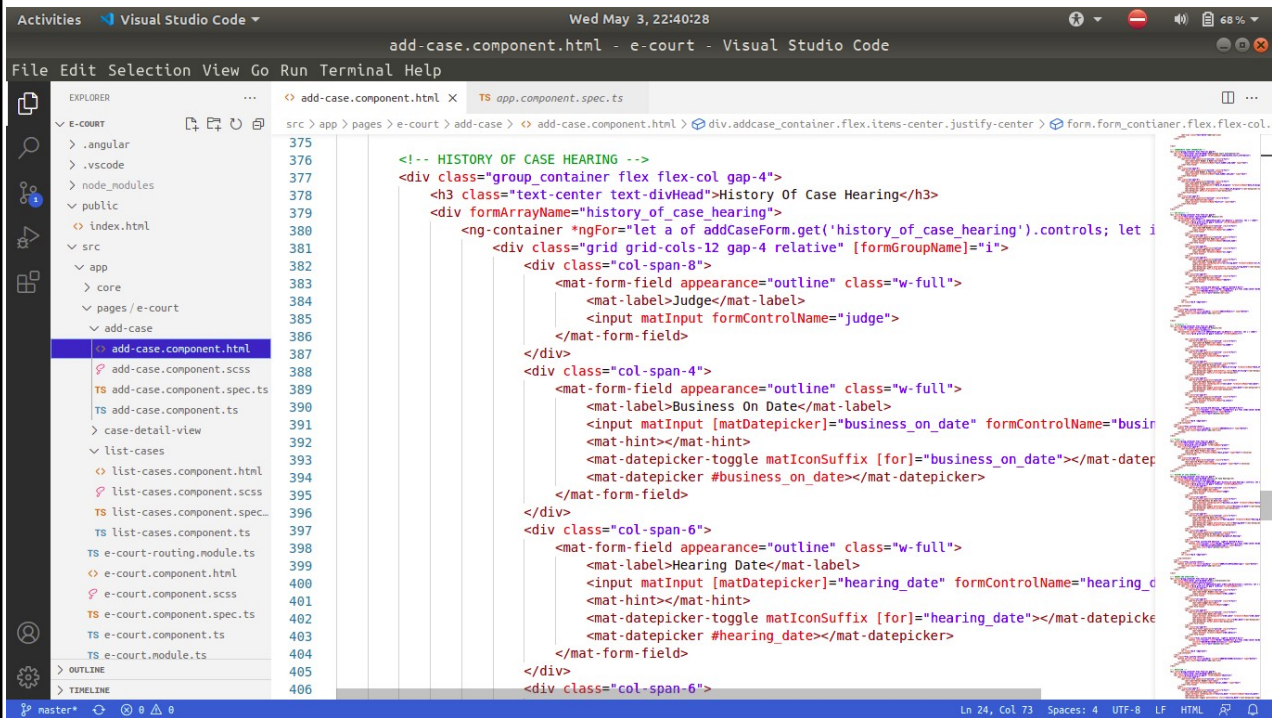
6.1.3: RESPONDANT AND ADVOCATE

The screenshot shows the Visual Studio Code editor with the file `add-case.component.html` open. The Explorer sidebar on the left shows the project structure, with `add-case` selected. The main editor area displays the HTML code for the 'Respondent & Advocate' section, starting at line 122. The code uses Angular's `<!-- P & A -->` comment to mark the beginning of the section. It features a `group_container` with a `flex` layout and a `gap-4` spacing. Inside, there's a `h3` header 'Petitioner & Advocate' followed by a `grid` with 12 columns and 4 items. The grid contains two `div` elements, each with a `col-span-6` class. The first `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`, with a `mat-label` 'Petitioner' and a `textarea` with `matInput` and `formControlName="petitioner"`. The second `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`, with a `mat-label` 'Advocate' and an `input` with `matInput` and `formControlName="advocate"`. The section ends with a `<!-- R & A -->` comment and another `group_container` with a `flex` layout and a `gap-4` spacing. It contains a `h3` header 'Respondent & Advocate' followed by a `grid` with 12 columns and 4 items. The grid contains two `div` elements, each with a `col-span-6` class. The first `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`, with a `mat-label` 'Respondent' and a `textarea` with `matInput` and `formControlName="respondent"`. The second `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`.

6.1.4: ACTS

The screenshot shows the Visual Studio Code editor with the file `add-case.component.html` open. The Explorer sidebar on the left shows the project structure, with `add-case` selected. The main editor area displays the HTML code for the 'ACTS' section, starting at line 161. The code uses Angular's `<!-- ACTS -->` comment to mark the beginning of the section. It features a `group_container` with a `flex` layout and a `gap-4` spacing. Inside, there's a `h3` header 'Acts' followed by a `formArrayName="acts"`. The `ng-container` contains a `*ngFor` loop that iterates over the `acts` array. For each iteration, it creates a `div` with a `grid` of 12 columns and 4 items. The grid contains two `div` elements, each with a `col-span-6` class. The first `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`, with a `mat-label` 'Under Acts' and an `input` with `matInput` and `formControlName="under_acts"`. The second `div` contains a `mat-form-field` with an `appearance="outline"` and a `class="w-full"`, with a `mat-label` 'Under Sections' and an `input` with `matInput` and `formControlName="under_sections"`. The `ng-container` also contains a `div` with a `flex` layout and a `justify-end` alignment, containing a `button` with `color="accent"` and `class="border rounded-full p-1 flex items-center border"`, with a `(click)="removeActs(i)"` and `type="button"`, and a `mat-icon` with `color="warn"` and `delete` class. The section ends with a `<div class="flex justify-center">` containing a `button` with `mat-mini-fab` and `color="primary"`, with a `(click)="addActs()"` and `type="button"`.

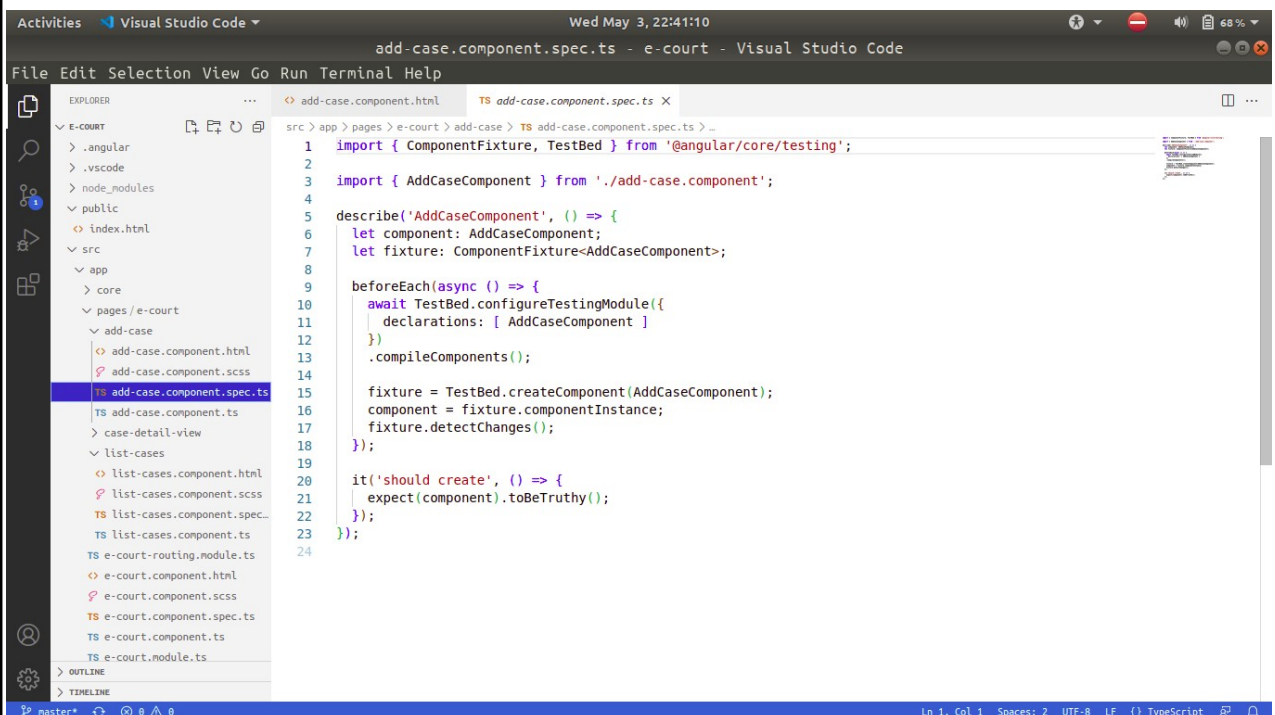
6.1.5: HISTORY OF CASE HEARING:



```
375
376
377 <!-- HISTORY OF CASE HEARING -->
378 <div class="group_container flex flex-col gap-4">
379   <h3 class="text-center text-divHead">History Of Case Hearing</h3>
380   <div formArrayName="history_of_case_hearing">
381     <ng-container *ngFor="let a of addCaseForm.get('history_of_case_hearing').controls; let i = index">
382       <div class="grid grid-cols-12 gap-4 relative" [formGroupName]="i">
383         <div class="col-span-8">
384           <mat-form-field appearance="outline" class="w-full">
385             <mat-label>Judge</mat-label>
386             <input matInput formControlName="judge">
387           </mat-form-field>
388         </div>
389         <div class="col-span-4">
390           <mat-form-field appearance="outline" class="w-full">
391             <mat-label>Business On Date</mat-label>
392             <input matInput [matDatepicker]="business_on_date" formControlName="business_on_date">
393             <mat-hint></mat-hint>
394             <mat-datepicker-toggle matIconSuffix [for]="business_on_date"></mat-datepicker-toggle>
395             <mat-datepicker #business_on_date></mat-datepicker>
396           </mat-form-field>
397         </div>
398         <div class="col-span-6">
399           <mat-form-field appearance="outline" class="w-full">
400             <mat-label>Hearing Date</mat-label>
401             <input matInput [matDatepicker]="hearing_date" formControlName="hearing_date">
402             <mat-hint></mat-hint>
403             <mat-datepicker-toggle matIconSuffix [for]="hearing_date"></mat-datepicker-toggle>
404             <mat-datepicker #hearing_date></mat-datepicker>
405           </mat-form-field>
406         </div>
407       </div>
408     </ng-container>
409   </div>
410 </div>
```

6.2: ANGULAR JS

6.2.1-ADD CASES



```
1 import { ComponentFixture, TestBed } from '@angular/core/testing';
2
3 import { AddCaseComponent } from './add-case.component';
4
5 describe('AddCaseComponent', () => {
6   let component: AddCaseComponent;
7   let fixture: ComponentFixture<AddCaseComponent>;
8
9   beforeEach(async () => {
10     await TestBed.configureTestingModule({
11       declarations: [ AddCaseComponent ]
12     }).compileComponents();
13
14     fixture = TestBed.createComponent(AddCaseComponent);
15     component = fixture.componentInstance;
16     fixture.detectChanges();
17   });
18
19   it('should create', () => {
20     expect(component).toBeTruthy();
21   });
22 });
23
24
```



```
1 import { Component, OnInit } from '@angular/core';
2 import { FormArray, FormBuilder, FormControl, FormGroup, Validators } from '@angular/forms';
3 import { Router } from '@angular/router';
4 import { CommonService } from 'src/app/shared/services/common.service';
5 import { SnackbarService } from 'src/app/shared/services/snackbar.service';
6
7 @Component({
8   selector: 'app-add-case',
9   templateUrl: './add-case.component.html',
10  styleUrls: ['./add-case.component.scss']
11 })
12 export class AddCaseComponent implements OnInit {
13
14   constructor(private fb: FormBuilder, private commonService: CommonService,
15     private router: Router, private sb: SnackbarService) {}
16   addCaseForm: any = []
17
18   CaseTypeOptions=[
19     {name:'AS - First Appeal',value:'AS'},
20     {name:'APPL - Application In Civil Suit',value:'APPL'},
21     {name:'ARBAPPL - Arbitration Application',value:'ARBAPPL'},
22     {name:'CA - Contempt Appeal',value:'CA'},
23     {name:'CC - Contempt Case',value:'CC'},
24     {name:'CC(AT) - Contempt Case Transferred From APAT',value:'CC(AT)'},
25     {name:'CC(TR) - Contempt Case Transferred',value:'CC(TR)'},
26     {name:'CEA - Central Excise Appeals',value:'CEA'},
27     {name:'CERC - Customs Excise Revision Case',value:'CERC'},
28     {name:'CETC - Central Excise Tax Case',value:'CETC'},
29     {name:'CMA - Civil Miscellaneous Appeal',value:'CMA'},
30     {name:'CMSA - Civil Miscellaneous Second Appeal',value:'CMSA'},
31     {name:'COMAA - Commercial Arbitration Appeal',value:'COMAA'},
32     {name:'COMAOA - Commercial Arbitration Original Application',value:'COMAOA'},
```

6.2.2: LIST CASES

```
1 import { ComponentFixture, TestBed } from '@angular/core/testing';
2
3 import { ListCasesComponent } from './list-cases.component';
4
5 describe('ListCasesComponent', () => {
6   let component: ListCasesComponent;
7   let fixture: ComponentFixture<ListCasesComponent>;
8
9   beforeEach(async () => {
10     await TestBed.configureTestingModule({
11       declarations: [ ListCasesComponent ]
12     })
13     .compileComponents();
14
15     fixture = TestBed.createComponent(ListCasesComponent);
16     component = fixture.componentInstance;
17     fixture.detectChanges();
18   });
19
20   it('should create', () => {
21     expect(component).toBeTruthy();
22   });
23 });
```

Activities Visual Studio Code Wed May 3, 22:42:52

list-cases.component.ts - e-court - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

- src > app > pages > e-court > list-cases > TS list-cases.component.ts > ...

```
7 @Component({
8   selector: 'app-list-cases',
9   templateUrl: './list-cases.component.html',
10  styleUrls: ['./list-cases.component.scss']
11 })
12 export class ListCasesComponent implements OnInit {
13   source: LocalDataSource; // add a property to the component
14
15   constructor( private commonservice :CommonService) {
16     this.source = new LocalDataSource(this.servicesList); // create the source
17   }
18
19   servicesList:any = [
20
21 ];
22   settings = {
23     // hide actions column
24     actions: {
25
26       add: false,
27       edit: false,
28       delete: false,
29       position: 'right',
30
31     },
32
33     columns: {
34       id:{
35         title:'ID',
36         filter: false,
37         sort:false,
38         hide:true
```

Ln 1, Col 1 Spaces: 2 UTF-8 LF {} TypeScript

Activities Visual Studio Code Wed May 3, 22:43:35

list-cases.component.ts - e-court - Visual Studio Code

File Edit Selection View Go Run Terminal Help

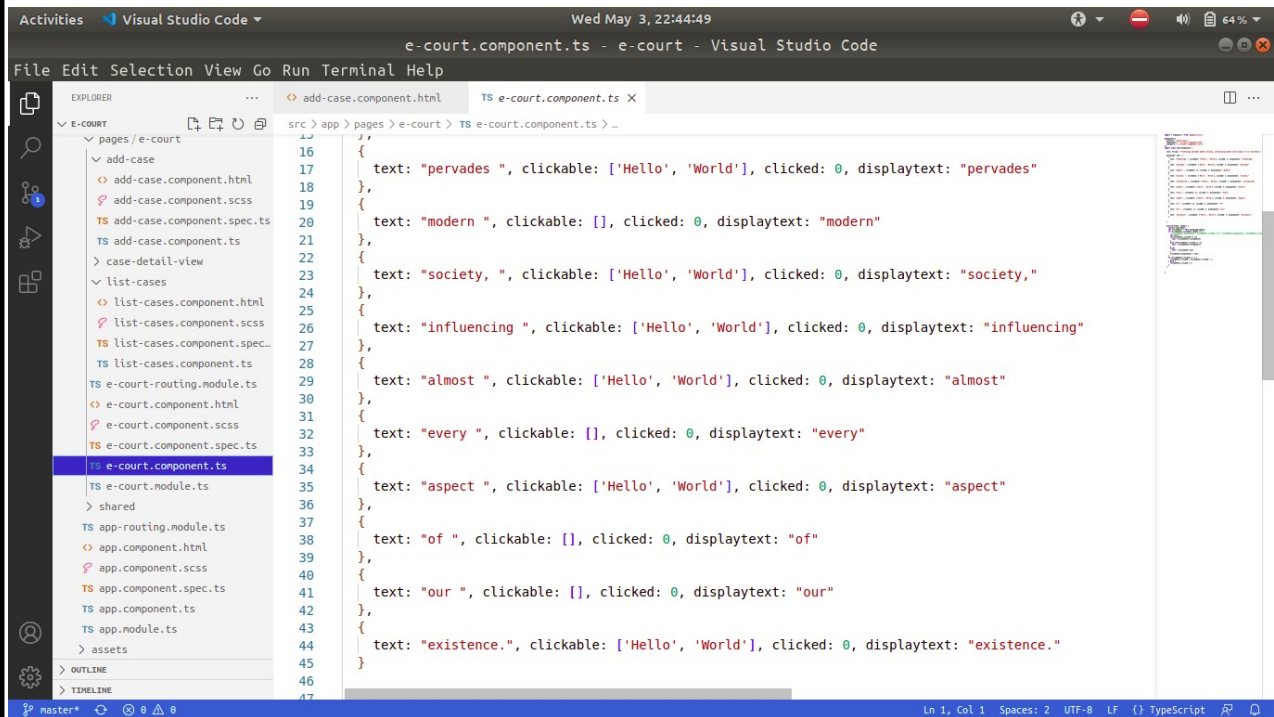
EXPLORER

- src > app > pages > e-court > list-cases > TS list-cases.component.ts > ...

```
76   respondent and advocate: {
77     title: 'Respondent And Advocate',
78     filter: false,
79     type: 'html',
80     valuePrepareFunction(value:any){
81       let respondent = value.respondent.split(',');
82       let respondent_text = respondent.length > 1 ? respondent[0] + ' and ' + (respondent.length - 1) : respondent[0];
83       let advocate_text = value.advocate;
84       let html = `
85       <div class="flex flex-col ">
86         <p class="text normal-case">${respondent_text}</p>
87         <hr>
88         <h4 class="text">${advocate_text}</h4>
89       </div>
90
91       return html;
92     }
93   },
94   actions:{
95     title:'Actions',
96     type:'custom',
97     filter: false,
98     sort:false,
99     renderComponent:ActionsComponent,
100   }
101 };
102
103
104
105
106 ngOnInit(){
107   this.getCases();
```

Ln 1, Col 1 Spaces: 2 UTF-8 LF {} TypeScript

6.2.3: ACTS

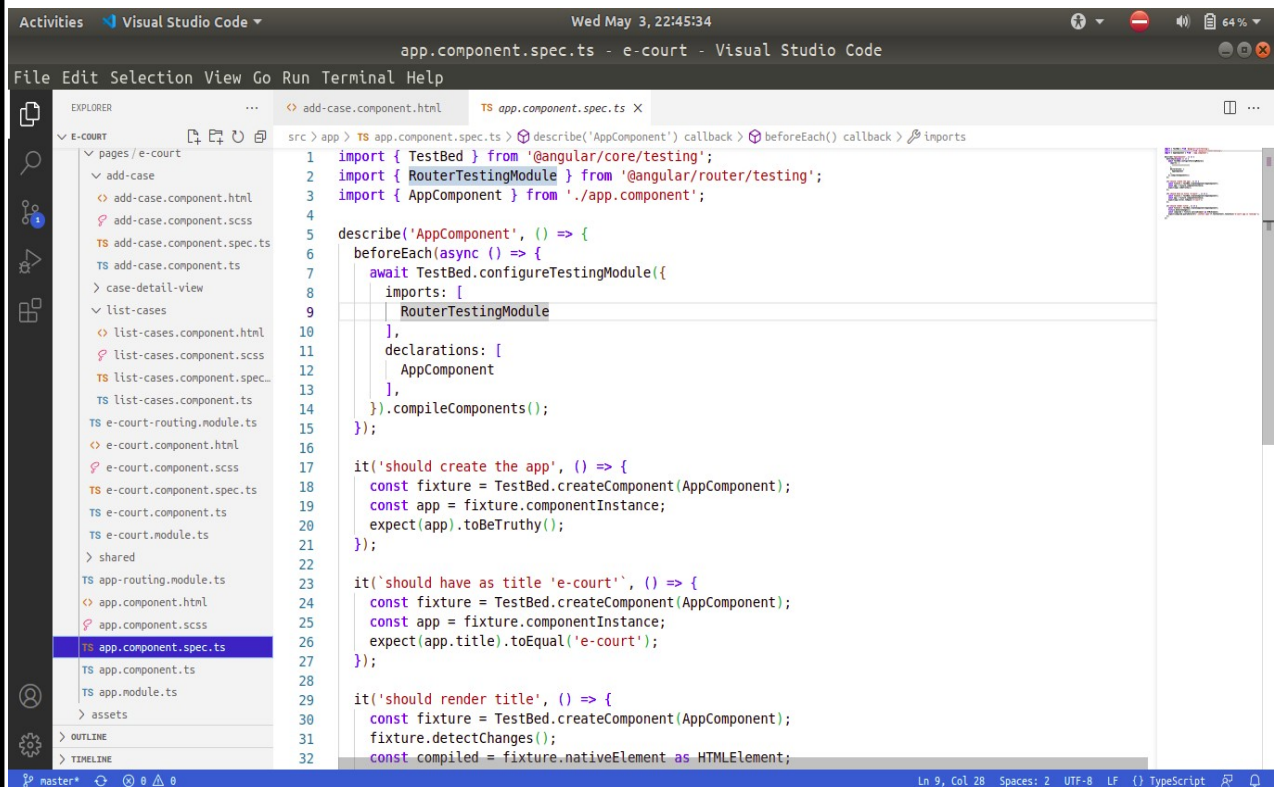


The screenshot shows the Visual Studio Code interface with the file explorer on the left and the editor window displaying the `e-court.component.ts` file. The file explorer shows the project structure with the following files and folders:

- pages / e-court
 - add-case
 - add-case.component.html
 - add-case.component.scss
 - add-case.component.spec.ts
 - add-case.component.ts
 - case-detail-view
 - list-cases
 - list-cases.component.html
 - list-cases.component.scss
 - list-cases.component.spec.ts
 - list-cases.component.ts
 - e-court-routing.module.ts
 - e-court.component.html
 - e-court.component.scss
 - e-court.component.spec.ts
 - e-court.component.ts
 - e-court.module.ts
- shared
- app-routing.module.ts
- app.component.html
- app.component.scss
- app.component.spec.ts
- app.component.ts
- app.module.ts
- assets
- OUTLINE
- TIMELINE

The editor window shows the following code in `e-court.component.ts`:

```
16 {  
17   text: "pervades ", clickable: ['Hello', 'World'], clicked: 0, displaytext: "pervades"  
18 },  
19 {  
20   text: "modern ", clickable: [], clicked: 0, displaytext: "modern"  
21 },  
22 {  
23   text: "society, ", clickable: ['Hello', 'World'], clicked: 0, displaytext: "society,"  
24 },  
25 {  
26   text: "influencing ", clickable: ['Hello', 'World'], clicked: 0, displaytext: "influencing"  
27 },  
28 {  
29   text: "almost ", clickable: ['Hello', 'World'], clicked: 0, displaytext: "almost"  
30 },  
31 {  
32   text: "every ", clickable: [], clicked: 0, displaytext: "every"  
33 },  
34 {  
35   text: "aspect ", clickable: ['Hello', 'World'], clicked: 0, displaytext: "aspect"  
36 },  
37 {  
38   text: "of ", clickable: [], clicked: 0, displaytext: "of"  
39 },  
40 {  
41   text: "our ", clickable: [], clicked: 0, displaytext: "our"  
42 },  
43 {  
44   text: "existence.", clickable: ['Hello', 'World'], clicked: 0, displaytext: "existence."  
45 }  
46 }  
47 }
```



The screenshot shows the Visual Studio Code interface with the file explorer on the left and the editor window displaying the `app.component.spec.ts` file. The file explorer shows the project structure with the following files and folders:

- pages / e-court
 - add-case
 - add-case.component.html
 - add-case.component.scss
 - add-case.component.spec.ts
 - add-case.component.ts
 - case-detail-view
 - list-cases
 - list-cases.component.html
 - list-cases.component.scss
 - list-cases.component.spec.ts
 - list-cases.component.ts
 - e-court-routing.module.ts
 - e-court.component.html
 - e-court.component.scss
 - e-court.component.spec.ts
 - e-court.module.ts
- shared
- app-routing.module.ts
- app.component.html
- app.component.scss
- app.component.spec.ts
- app.component.ts
- app.module.ts
- assets
- OUTLINE
- TIMELINE

The editor window shows the following code in `app.component.spec.ts`:

```
1 import { TestBed } from '@angular/core/testing';  
2 import { RouterTestingModule } from '@angular/router/testing';  
3 import { AppComponent } from './app.component';  
4  
5 describe('AppComponent', () => {  
6   beforeEach(async () => {  
7     await TestBed.configureTestingModule({  
8       imports: [  
9         RouterTestingModule  
10      ]},  
11     declarations: [  
12       AppComponent  
13     ]},  
14     compileComponents();  
15   });  
16  
17   it('should create the app', () => {  
18     const fixture = TestBed.createComponent(AppComponent);  
19     const app = fixture.componentInstance;  
20     expect(app).toBeTruthy();  
21   });  
22  
23   it('should have as title \'e-court\'', () => {  
24     const fixture = TestBed.createComponent(AppComponent);  
25     const app = fixture.componentInstance;  
26     expect(app.title).toEqual('e-court');  
27   });  
28  
29   it('should render title', () => {  
30     const fixture = TestBed.createComponent(AppComponent);  
31     fixture.detectChanges();  
32     const compiled = fixture.nativeElement as HTMLElement;
```

7 Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
- 2 .Integration testing

Unit Testing

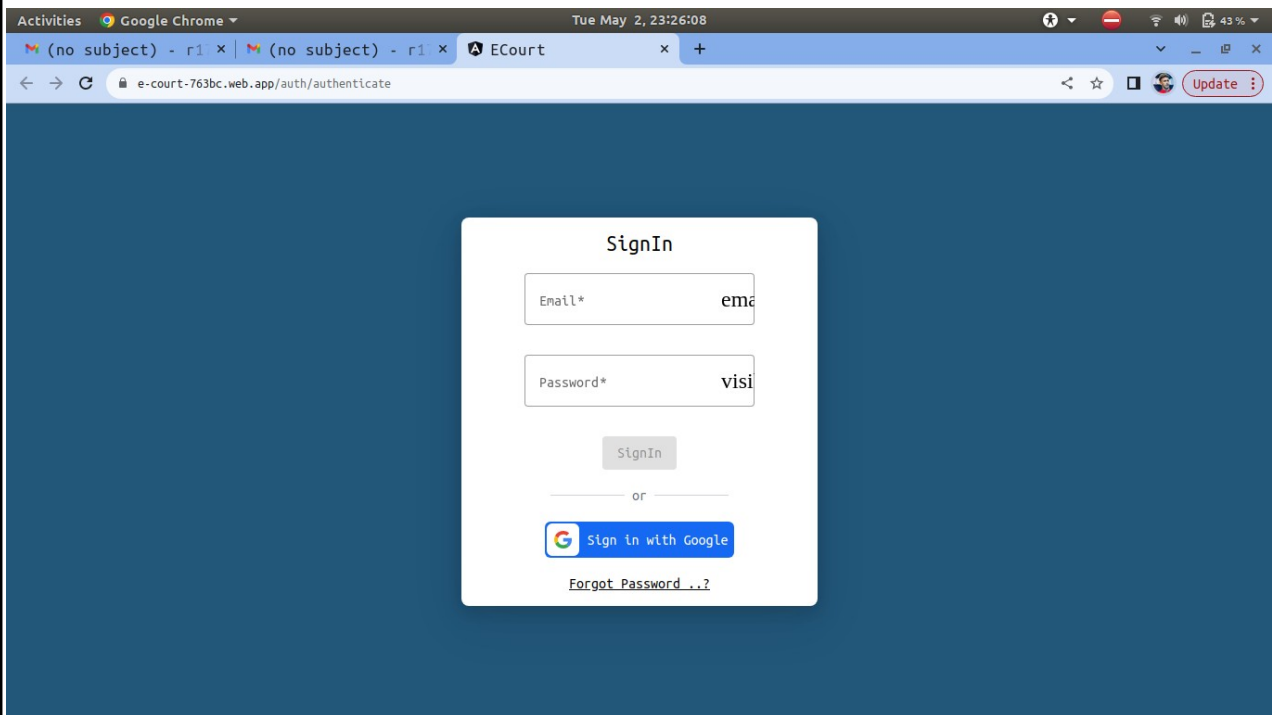
Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters

Integration Testing

In the Integration testing we test various combination of the project module by providing the input.The primary objective is to test the module interfaces in order to confirm that no errors areoccurring when one module invokes the other module.

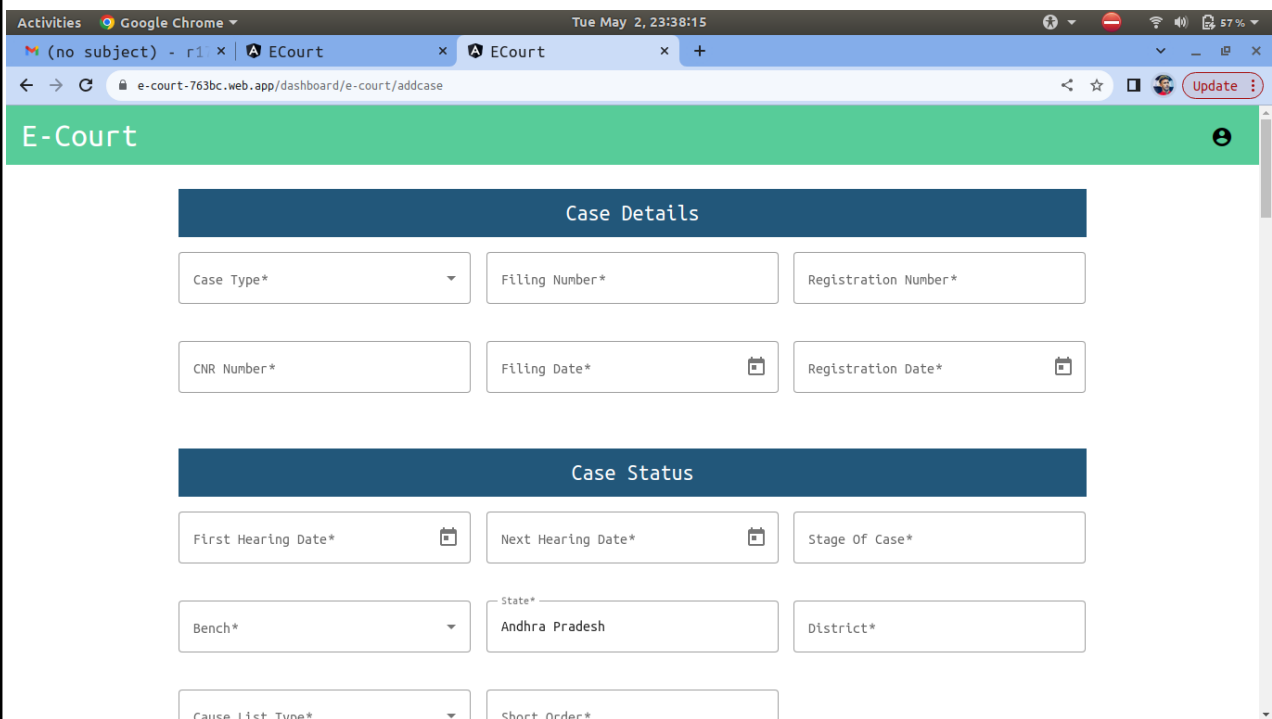
8.EVALUATION

8.1:LOGIN



The screenshot shows a web browser window with the URL `e-court-763bc.web.app/auth/authenticate`. The page has a dark blue background. In the center, there is a white card titled "SignIn". Inside the card, there are two input fields: "Email*" with the value "ema" and "Password*" with the value "visi". Below these fields is a "SignIn" button. Underneath the button is the text "or" and a "Sign in with Google" button. At the bottom of the card is a link "Forgot Password ...?".

8.2:CASE DETAILS



The screenshot shows a web browser window with the URL `e-court-763bc.web.app/dashboard/e-court/addcase`. The page has a green header bar with the text "E-Court" and a user profile icon. Below the header, there is a dark blue bar with the text "Case Details". Underneath this bar, there are six input fields arranged in two rows of three. The first row contains "Case Type*" (a dropdown menu), "Filing Number*", and "Registration Number*". The second row contains "CNR Number*", "Filing Date*" (with a calendar icon), and "Registration Date*" (with a calendar icon). Below these fields, there is another dark blue bar with the text "Case Status". Underneath this bar, there are six input fields arranged in three rows of two. The first row contains "First Hearing Date*" (with a calendar icon), "Next Hearing Date*" (with a calendar icon), and "Stage Of Case*". The second row contains "Bench*" (a dropdown menu), "State*" (with the value "Andhra Pradesh"), and "District*". The third row contains "Cause List Type*" (a dropdown menu) and "Short Order*".

Activities Google Chrome Tue May 2, 23:38:30

(no subject) - r1 x ECourt x ECourt +

e-court-763bc.web.app/dashboard/e-court/addcase Update

Bench* Andhra Pradesh District*

Cause List Type* Short Order*

Petitioner & Advocate

Petitioner* Advocate*

Respondent & Advocate

Respondent* Advocate*

8.3:ACTS

Activities Google Chrome Tue May 2, 23:38:46

(no subject) - r1 x ECourt x ECourt +

e-court-763bc.web.app/dashboard/e-court/addcase Update

Acts

Under Acts* Under Sections*

Under Acts* Under Sections*

+

Subordinate Court Information

Court Number & Name*

Case Number & Year* Date Of Disposal* district*



8.4: USR DETAILS


Activities Google Chrome Tue May 2, 23:39:24

(no subject) - r1 x ECourt x ECourt +




e-court-763bc.web.app/dashboard/e-court/addcase Update

USR Details

USR Number*	Advocate Name*	
USR Type*	USR Filing Date* 	Remarks* 



IA Details

IA Number*	Party*	
Date Of Filing* 	Next Date* 	IA Status* 

8.5: HISTORY OF CASE HEARING

Activities Google Chrome Tue May 2, 23:39:40




(no subject) - r1 x ECourt x ECourt +



e-court-763bc.web.app/dashboard/e-court/addcase Update

Prayer

Main Prayer*	IA Prayer*
--------------	------------

History Of Case Hearing

Judge*	Business On Date* 
Hearing Date* 	Purpose Of Hearing* 

Judge*	Business On Date* 
Hearing Date* 	Purpose Of Hearing*

8.6: ADDITIONAL INFO:

Activities Google Chrome Tue May 2, 23:39:57

(no subject) - r1 x ECourt x ECourt +

e-court-763bc.web.app/dashboard/e-court/addcase Update

+

Objection

Serial Number* Security Date* Objection*

Compliance Date* Receipt Date*

Additional Information

Contact Info* Notes* Attachments*

Save

8.7: VIEW CASE DETAILS

Activities Google Chrome Tue May 2, 23:46:06

(no subject) - r1 x ECourt x ECourt +

e-court-763bc.web.app/dashboard/e-court/listcases Update

E-Court

Search cases

Case Type	Filing Number	Petitioner And Advocate	Respondent And Advocate	Actions
APPL	452577786	Karthik and 4 others Cbn	pavan and 4 others Cbn	<button>View</button>
ARBAPPL	4665823	sj rahul and 2 others Suraj Gullipalli	rgukt rkv rgukt ong rgukt nuz rgukt skln Vidyadhar Singh	<button>View</button>

9.FINAL OUTPUT

9.1:PDF GENERATOR

ActivitiesDocument Viewer

Tue May 2, 23:51:37

73 %

1 of 2

152.91 %

Thu... x

1

2

CASE DETAILS

PRIMARY DETAILS

Main Number	WP 33331/2022	SR Number	WPSR 41887/2022
Petitioner	SRI SRINIVASA AND COMPANY	Respondent	The Government of Andhra Pradesh
Petitioner Advocate	BOKKA SATYANARAYANA KAMLA	Respondent Advocate	GP FOR EDUCATION
Case Category	NON-SERVICE	District	GUNTUR
Filing Date	23/09/2022	Registration Date	12/10/2022
Listing Date	22/12/2022	Case Status	DISPOSED
Disposal Date	22-12-2022	Disposal Type	CLOSED NO COSTS
Purpose	ADMISSION (CORPORATION)	Scrutiny Officer name	bm
Hon'ble Judges	The Honourable Sri Justice BATTU DEVANAND		

Category

Category	WP	Sub Category	EDUCATION (MISC.MATTERS)
Sub Sub Category	-		

IA DETAILS

IA Number	Filing Date	Advocate Name	Misc.Paper Type	Status	Prayer	Order Date	Order
IA 1/2022	12/10/2022	BOKKA SATYANARAYANA KAMLA	Direction Petition	Pending	IA PRAYER	-	
IASR 81029/2022	24/09/2022	BOKKA SATYANARAYANA KAMLA (7326)	Direction Petition	PENDING FOR SCRUTINY			

USR Details

USR Number	Advocate Name	USR Type	USR Filing Date	Remarks
1/2022	GVS KISHORE KUMAR	VAKALATH	28/10/2022	
2/2022	GP FOR FINANCE PLANNING (AP)	Memo of Appearance	15/12/2022	
3/2022	GP FOR HIGHER EDUCATION (AP)	Memo of Appearance	16/12/2022	
WPUSR 101316/2022	GP FOR FINANCE PLANNING (AP)	Counter Affidavit	20/12/2022	PENDING FOR SCRUTINY

ActivitiesDocument Viewer

Tue May 2, 23:51:56

73 %

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USR Details

USR Number	Advocate Name	USR Type	USR Filing Date	Remarks
1/2022	GVS KISHORE KUMAR	VAKALATH	28/10/2022	
2/2022	GP FOR FINANCE PLANNING (AP)	Memo of Appearance	15/12/2022	
3/2022	GP FOR HIGHER EDUCATION (AP)	Memo of Appearance	16/12/2022	
WPUSR 101316/2022	GP FOR FINANCE PLANNING (AP)	Counter Affidavit	20/12/2022	PENDING FOR SCRUTINY
WPUSR 101973/2022	GVS KISHORE KUMAR	Counter Affidavit	21/12/2022	RETURNED
WPUSR 98988/2022	GP FOR FINANCE PLANNING (AP)	Memo Appearance	15/12/2022	PENDING FOR SCRUTINY
WPUSR 99822/2022	GP FOR HIGHER EDUCATION (AP)	Memo Appearance	16/12/2022	PENDING FOR SCRUTINY
WPUSR 76863/2022	GVS KISHORE KUMAR	VAKALATH	28/10/2022	PENDING FOR SCRUTINY

CONNECTED MATTERS

Connected Case Number

VAKALATH

Advocate Code	Advocate Name	P/R No.	Remarks
15554	GP FOR HIGHER EDUCATION (AP)	6(R)	----
15554	GP FOR HIGHER EDUCATION (AP)	2(R)	----
2003	GP FOR GENERAL ADMINISTRATION	8(R)	----
15554	GP FOR HIGHER EDUCATION (AP)	4(R)	----
15517	GP FOR FINANCE PLANNING (AP)	7(R)	----
15554	GP FOR HIGHER EDUCATION (AP)	5(R)	----

LOWER COURT DETAILS

PRAYER

pleased to issue a Writ Order or direction more particularly one in the nature of Writ of Mandamus to declaring the inaction on the part of the respondents herein not releasing and part bill amount total worth an amount of Rs 51 13 727/ as per the pay order dated 21 04 2022 in view of CFMS under execution and construction of Government BC College Girls Hostel Building No 1 at Rajuvarl Thota in Guntur District to the

Thu... x



1



2

R.No	Respondent(S) Name
1	The Government of Andhra Pradesh Rep by its Principal Secretary Higher Education Department Secretariat Buildings Amaravati
2	The A P Education and Welfare Infrastructure Development Corporation Rep by its Managing Director Government of Andhra Pradesh Vijayawada Krishna District
3	The District Collector Guntur District Guntur

4	The Chief Engineer A P Education and Welfare Infrastructure Development Corporation Vijayawada
5	The Superintendent Engineer A P Education and welfare Infrastructure Development Corporation Guntur District
6	The Executive Engineer A P Education and Welfare Infrastructure Development Corporation Guntur District Guntur
7	The Government of Andhra Pradesh rep by its principal secretary Finance department Secretariat Buildings Amaravati
8	The State of Andhra Pradesh rep by its Chief Secretary General Administration Department Secretariat Buildings Amaravati

ORDERS

Order on	Judge Name	Date of Orders	Order Type	Order Details
WP 33331/2022	The Honourable Sri Justice NINALA JAYASURYA	2022-10-13	Court Proceedings	View
WP 33331/2022	The Honourable Sri Justice BATTU DEVANAND	2022-12-01	Court Proceedings	View
WP 33331/2022	The Honourable Sri Justice BATTU DEVANAND	2022-12-01	Court Proceedings	View
WP 33331/2022	The Honourable Sri Justice BATTU DEVANAND	2022-12-01	Spl Cell Orders	View
WP 33331/2022	The Honourable Sri Justice BATTU DEVANAND	2022-12-15	Court Proceedings	View

10.CONCLUSION

E-Court case details system will improve the efficiency of the court system and reduce unnecessary paperwork. The system will provide a user-friendly interface that will make it easier for lawyers and judges to manage cases. The system will ensure that the information is secure and accessible at any time. Developing an electronic system for court proceedings will help in saving time, money and will also make the whole court process much more organized and transparent.

11.REFERENCES

1. <https://material.angular.io/components/categories>
2. <https://www.w3schools.com/php>
3. <https://www.w3.org/Style/CSS/Overview.en.html>
4. https://www.w3schools.com/js/js_functions.asp