

File Edit Selection View Go Run Terminal Help

Registration.js - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

node_modules

public

src

Components

JS Registration.js

App.css

App.js

App.test.js

index.css

index.js

reportWebVitals.js

setupTests.js

.dockerignore

.env

.gitignore

Dockerfile

package-lock.json

package.json

README.md

Players

docker-compose.yml

OUTLINE

TIMELINE

JS Registration.js

Dockerfile

docker-compose.yml

Playercontroller.java

.env

msds > src > Components > JS Registration.js > Registration > handleSubmit

```
1 import React, { Component } from 'react';
2 import axios from "axios";
3
4 class Registration extends Component {
5   state = {
6     name: '',
7     dob: '',
8     mobileno:''
9   };
10
11   handleChange = (event) => {
12     const { name, value } = event.target;
13     this.setState({ [name]: value });
14   };
15
16   handleSubmit = (event) => {
17     event.preventDefault();
18     // handle form submission logic here
19
20     axios
21       .post(`${process.env.REACT_APP_API_URL}/post`, this.state)
22       .then(res => {
23         console.log(res);
24         window.location = 'http://localhost:3000';
25       })
26       .catch(err => {
27         console.log(err);
28       });
29   };
30   render() {
```

master* 0 0 0

Ln 22, Col 32 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live

11:22 14-05-2023

FileEditSelectionViewGoRunTerminalHelp

App.js - Java-STS - Visual Studio Code

msds > src > JS App.js > ...

```
1
2 import './App.css';
3 import Registration from './Components/Registration';
4
5 function App() {
6   return (
7     <div className="App">
8       <header className="App-header">
9         <Registration />
10      </header>
11    </div>
12  );
13 }
14
15 export default App;
16
```

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index.js

reportWebVitals.js

setupTests.js

.dockerignore

.env

.gitignore

Dockerfile

package-lock.json

package.json

README.md

Players

docker-compose.yml

OUTLINE

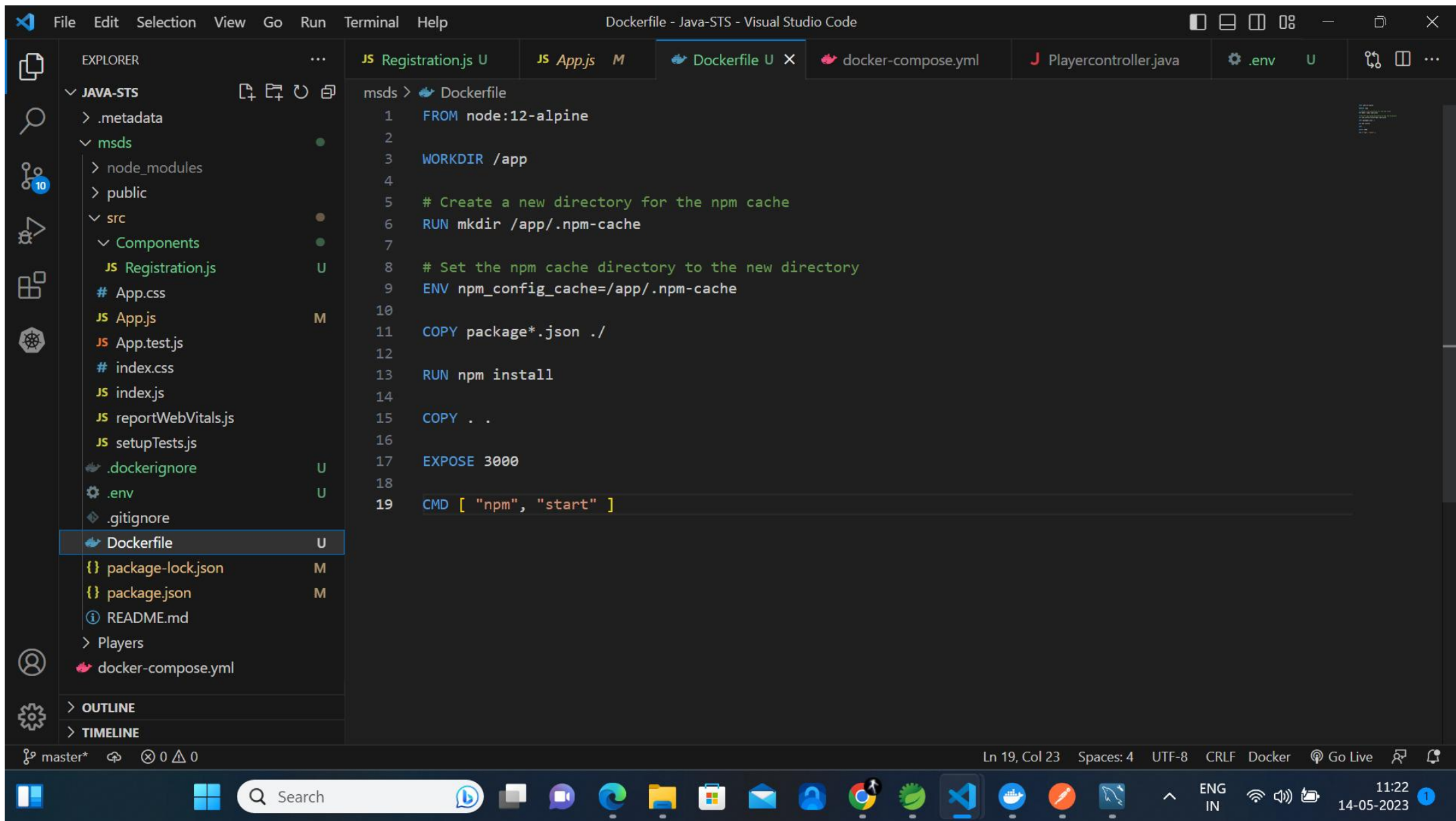
TIMELINE

master*

0 0 0

Ln 1, Col 1 Spaces: 2 UTF-8 LF {} JavaScript Go Live

11:22 14-05-2023



FileEditSelectionViewGoRunTerminalHelp

.env - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

node_modules

public

src

Components

Registration.js

App.css

App.js

App.test.js

index.css

index.js

reportWebVitals.js

setupTests.js

.dockerignore

.env

.gitignore

Dockerfile

package-lock.json

package.json

README.md

Players

docker-compose.yml

OUTLINE

TIMELINE

JS Registration.js U

JS App.js M

Dockerfile U

docker-compose.yml

Playercontroller.java

.env U

msds > .env

1 REACT_APP_API_URL="http://localhost:8085/player"

master*

0 0 0

Ln 1, Col 41

Spaces: 4

UTF-8

CRLF

Properties

Go Live

11:22

14-05-2023

Visual Studio Code interface showing a Java project structure and the code for `Playercontroller.java`.

EXPLORER

- JAVA-STS
 - .metadata
 - msds
 - Players
 - .mvn
 - .settings
 - src
 - main
 - java\com\example\demo
 - controller
 - Playercontroller.java**
 - dao
 - model
 - service
 - PlayersApplication.java
 - resources
 - test\java\com\example\demo
 - target
 - .classpath
 - .dockerignore
 - .gitignore
 - .project
 - Dockerfile
 - HELP.md
 - OUTLINE
 - TIMELINE

Playercontroller.java

```
3  import java.util.List;
4
5  import org.springframework.beans.factory.annotation.Autowired;
6  import org.springframework.web.bind.annotation.CrossOrigin;
7  import org.springframework.web.bind.annotation.GetMapping;
8  import org.springframework.web.bind.annotation.PostMapping;
9  import org.springframework.web.bind.annotation.RequestBody;
10 import org.springframework.web.bind.annotation.RequestMapping;
11 import org.springframework.web.bind.annotation.RestController;
12
13 import com.example.demo.model.players;
14 import com.example.demo.service.PlayerService;
15
16 @RestController
17 @CrossOrigin
18 @RequestMapping("/player")
19 public class Playercontroller {
20
21     @Autowired
22     private PlayerService playerservice;
23
24     @GetMapping("/get")
25     public List<players> getplayers(){
26         return this.playerservice.getplayers();
27     }
28
29     @PostMapping("/post")
30     public players addPlayer(@RequestBody players ps) {
31         return this.playerservice.addPlayer(ps);
32     }
33 }
```

Ln 18, Col 25 (6 selected) Tab Size: 4 UTF-8 CRLF Java Go Live

11:23 14-05-2023

FileEditSelectionViewGoRunTerminalHelp

players.java - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

Players

.mvn

.settings

src

main

java\com\example\demo

controller

dao

model

players.java

service

PlayersApplication.java

resources

test

target

.classpath

.dockerignore

.gitignore

.project

Dockerfile

HELP.md

mvnw

OUTLINE

TIMELINE

JS Registration.js U

Dockerfile U

docker-compose.yml

Playercontroller.java

players.java X

.env U

Players > src > main > java > com > example > demo > model > J players.java

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```
public players(int id, String name, String dob, String mobileno) {  
    super();  
    this.id = id;  
    this.name = name;  
    this.dob = dob;  
    this.mobileno = mobileno;  
}  
  
public int getId() {  
    return id;  
}  
  
public void setId(int id) {  
    this.id = id;  
}  
  
public String getName() {  
    return name;  
}  
  
public void setName(String name) {  
    this.name = name;  
}  
  
public String getDob() {  
    return dob;  
}  
  
public void setDob(String dob) {  
    this.dob = dob;  
}
```

Ln 1, Col 1

Tab Size: 4

UTF-8

CRLF

Java

Go Live

master*

0 0 0

Search

11:23

14-05-2023

FileEditSelectionViewGoRunTerminalHelp

PlayerService.java - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

Players

.mvn

.settings

src

main

java\com\example\demo

controller

dao

model

service

PlayerService.java

PlayerServiceimpl.java

PlayersApplication.java

resources

test

target

.classpath

.dockerignore

.gitignore

.project

Dockerfile

HFI D.md

OUTLINE

TIMELINE

Players > src > main > java > com > example > demo > service > PlayerService.java

1package com.example.demo.service;

2

3import java.util.List;

4

5import com.example.demo.model.players;

6

7public interface PlayerService {

8

9 public List<players> getplayers();

10

11 public players addPlayer(players ps);

12}

13

Ln 1, Col 1Tab Size: 4UTF-8CRLFJavaGo Live

11:2314-05-2023

FileEditSelectionViewGoRunTerminalHelp

PlayerServiceimpl.java - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

Players

.mvn

.settings

src

main

java\com\example\demo

controller

dao

model

service

PlayerService.java

PlayerServiceimpl.java

PlayersApplication.java

resources

test

target

.classpath

.dockerignore

.gitignore

.project

Dockerfile

HFILED.md

OUTLINE

TIMELINE

Players > src > main > java > com > example > demo > service > PlayerServiceimpl.java

1package com.example.demo.service;

2

3import java.util.List;

4

5import org.springframework.beans.factory.annotation.Autowired;

6import org.springframework.stereotype.Service;

7

8import com.example.demo.dao.Playerdao;

9import com.example.demo.model.players;

10

11@Service

12public class PlayerServiceimpl implements PlayerService {

13

14 @Autowired

15 private Playerdao playerdao;

16

17 @Override

18 public List<players> getplayers() {

19 // TODO Auto-generated method stub

20 return playerdao.findAll();

21 }

22

23 @Override

24 public players addPlayer(players ps) {

25

26 playerdao.save(ps);

27 return ps;

28 }

29

30}

Ln 1, Col 1Tab Size: 4UTF-8CRLFJavaGo Live

11:2314-05-2023

Visual Studio Code interface showing the file explorer, editor, and terminal.

File Explorer (Left Panel):

- EXPLORER
 - JAVA-STS
 - .metadata
 - msds
 - Players
 - .mvn
 - .settings
 - src
 - main
 - java\com\example\demo
 - controller
 - dao
 - model
 - service
 - PlayersApplication.java
 - resources
 - static
 - templates
 - application.properties**
 - test
 - target
 - .classpath
 - .dockerignore
 - .gitignore
 - .project
 - Dockerfile
 - OUTLINE
 - TIMELINE

Editor (Main Panel):

application.properties - Java-STS - Visual Studio Code

Players > src > main > resources > application.properties

```
14 spring.datasource.url=jdbc:mysql://${MYSQL_HOST:localhost}:${MYSQL_PORT:3306}/cricket?useUnicode=true&useJ
15 spring.jpa.hibernate.ddl-auto=update
16 Shift=true&useLegacyDatetimeCode=false&serverTimezone=UTC
17 server.error.whitelabel.enabled=false
18 server.port=8090
19 spring.datasource.username=${MYSQL_USER:root}
20 spring.datasource.password=${MYSQL_PASSWORD:root}
21 spring.jpa.open-in-view=false
22 spring.thymeleaf.cache=false
23
24
25
26
27 spring.datasource.initialization-mode=always
28 spring.datasource.continue-on-error=false
29 spring.datasource.hikari.connection-timeout=20000
30 spring.datasource.hikari.maximum-pool-size=5
31 spring.datasource.hikari.minimum-idle=2
32 spring.datasource.hikari.idle-timeout=300000
33
34
35 spring.datasource.testWhileIdle = true
36 spring.datasource.timeBetweenEvictionRunsMillis = 60000
37 spring.datasource.validationQuery = SELECT 1
```

Terminal (Bottom Panel):

Ln 20, Col 50 Spaces: 4 UTF-8 LF Properties Go Live

master* 0 0

Search

11:24 14-05-2023

FileEditSelectionViewGoRunTerminalHelp

Dockerfile - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

.metadata

msds

Players

.mvn

.settings

src

main

java\com\example\demo

resources

test

target

.classpath

.dockerignore

.gitignore

.project

Dockerfile

HELP.md

mvnw

mvnw.cmd

pom.xml

docker-compose.yml

OUTLINE

TIMELINE

Players > Dockerfile

1FROM openjdk:20

2EXPOSE 8080

3WORKDIR /app

4ADD target/Players-0.0.1-SNAPSHOT.jar /app/Players-0.0.1-SNAPSHOT.jar

5ENTRYPOINT ["java", "-jar", "Players-0.0.1-SNAPSHOT.jar"]

U Dockerfile msds U

docker-compose.yml

Playercontroller.java

PlayersApplication.java

Dockerfile Players

master*

0 0 0

Ln 1, Col 1Spaces: 4UTF-8CRLFDockerGo Live

11:2414-05-2023

FileEditSelectionViewGoRunTerminalHelp

docker-compose.yml - Java-STS - Visual Studio Code

EXPLORER

JAVA-STS

> .metadata

> msds

> Players

docker-compose.yml

OUTLINE

TIMELINE

docker-compose.yml > {} services > {} reactapp > {} environment > REACT_APP_API_URL

docker-compose.yml - The Compose specification establishes a standard for the definition of multi-container platform-agnostic applications. (compose-spe

```
1 version: '3.8'
2 services:
3
4   database:
5     image: mysql
6     container_name: mysqlldb
7     ports:
8       - 3309:3306
9     environment:
10       MYSQL_DATABASE: cricket
11       MYSQL_ROOT_PASSWORD: root
12     volumes:
13       - mysql-data:/var/lib/mysql
14
15   springapp:
16     image: new-players
17     container_name: springapp
18     build: ./Players
19     ports:
20       - 8085:8090
21     restart: always
22     environment:
23       MYSQL_HOST: mysqlldb
24       MYSQL_USER: root
25       MYSQL_PASSWORD: root
26       MYSQL_PORT: 3306
27     depends_on:
28       - database
29
```

Ln 38, Col 48 Spaces: 2 UTF-8 CRLF Compose Go Live

Search

11:24 14-05-2023

Visual Studio Code interface showing a Docker Compose configuration file.

Explorer Panel:

- Java-STS
 - .metadata
 - msds
 - Players
 - docker-compose.yml**
- OUTLINE
- TIMELINE

Editor Panel:

docker-compose.yml > {} services > {} reactapp > {} environment > REACT_APP_API_URL

```
16 image: new-players
17 container_name: springapp
18 build: ./Players
19 ports:
20   - 8085:8090
21 restart: always
22 environment:
23   MYSQL_HOST: mysqlldb
24   MYSQL_USER: root
25   MYSQL_PASSWORD: root
26   MYSQL_PORT: 3306
27 depends_on:
28   - database
29
30 reactapp:
31   build: ./msds
32   container_name: reactapp
33   ports:
34     - "3000:3000"
35   depends_on:
36     - springapp
37   environment:
38     REACT_APP_API_URL: "http://localhost:8085/player"
39
40 volumes:
41   mysql-data:
```

Bottom Panel:

Ln 38, Col 48 Spaces: 2 UTF-8 CRLF Compose Go Live

Windows taskbar: Search, 11:24 14-05-2023

Visual Studio Code interface showing a Docker Compose setup for a Spring Boot application.

Explorer: JAVA-STS, .metadata, msds, Players, docker-compose.yml

Terminal:

```
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp |  
springapp | 2023-05-14T05:48:24.436Z INFO 1 --- [      main] com.example.demo.PlayersApplication : Starting PlayersA  
pplication v0.0.1-SNAPSHOT using Java 20 with PID 1 (/app/Players-0.0.1-SNAPSHOT.jar started by root in /app)  
springapp | 2023-05-14T05:48:24.440Z INFO 1 --- [      main] com.example.demo.PlayersApplication : No active profile  
set, falling back to 1 default profile: "default"  
springapp | 2023-05-14T05:48:25.257Z INFO 1 --- [      main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spr  
ing Data JPA repositories in DEFAULT mode.  
springapp | 2023-05-14T05:48:25.361Z INFO 1 --- [      main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring D  
ata repository scanning in 87 ms. Found 1 JPA repository interfaces.  
springapp | 2023-05-14T05:48:26.150Z INFO 1 --- [      main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialize  
d with port(s): 8090 (http)  
springapp | 2023-05-14T05:48:26.169Z INFO 1 --- [      main] o.apache.catalina.core.StandardService : Starting service  
[Tomcat]  
springapp | 2023-05-14T05:48:26.170Z INFO 1 --- [      main] o.apache.catalina.core.StandardEngine : Starting Servlet  
engine: [Apache Tomcat/10.1.8]  
springapp | 2023-05-14T05:48:26.283Z INFO 1 --- [      main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spri  
ng embedded WebApplicationContext  
springapp | 2023-05-14T05:48:26.286Z INFO 1 --- [      main] w.s.c.ServletWebServerApplicationContext : Root WebApplicati  
onContext: initialization completed in 1758 ms  
springapp | 2023-05-14T05:48:26.509Z INFO 1 --- [      main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Proces  
sing PersistenceUnitInfo [name: default]  
springapp | 2023-05-14T05:48:26.576Z INFO 1 --- [      main] org.hibernate.Version : HHH000412: Hibern  
ate ORM core version 6.1.7.Final
```

Output: docker-compose.yml > {} services > {} reactapp > {} environment > REACT_APP_API_URL

Problems: 0 errors, 0 warnings

Terminal: docker

Status Bar: master* 0 errors, 0 warnings

System Tray: 11:25 14-05-2023

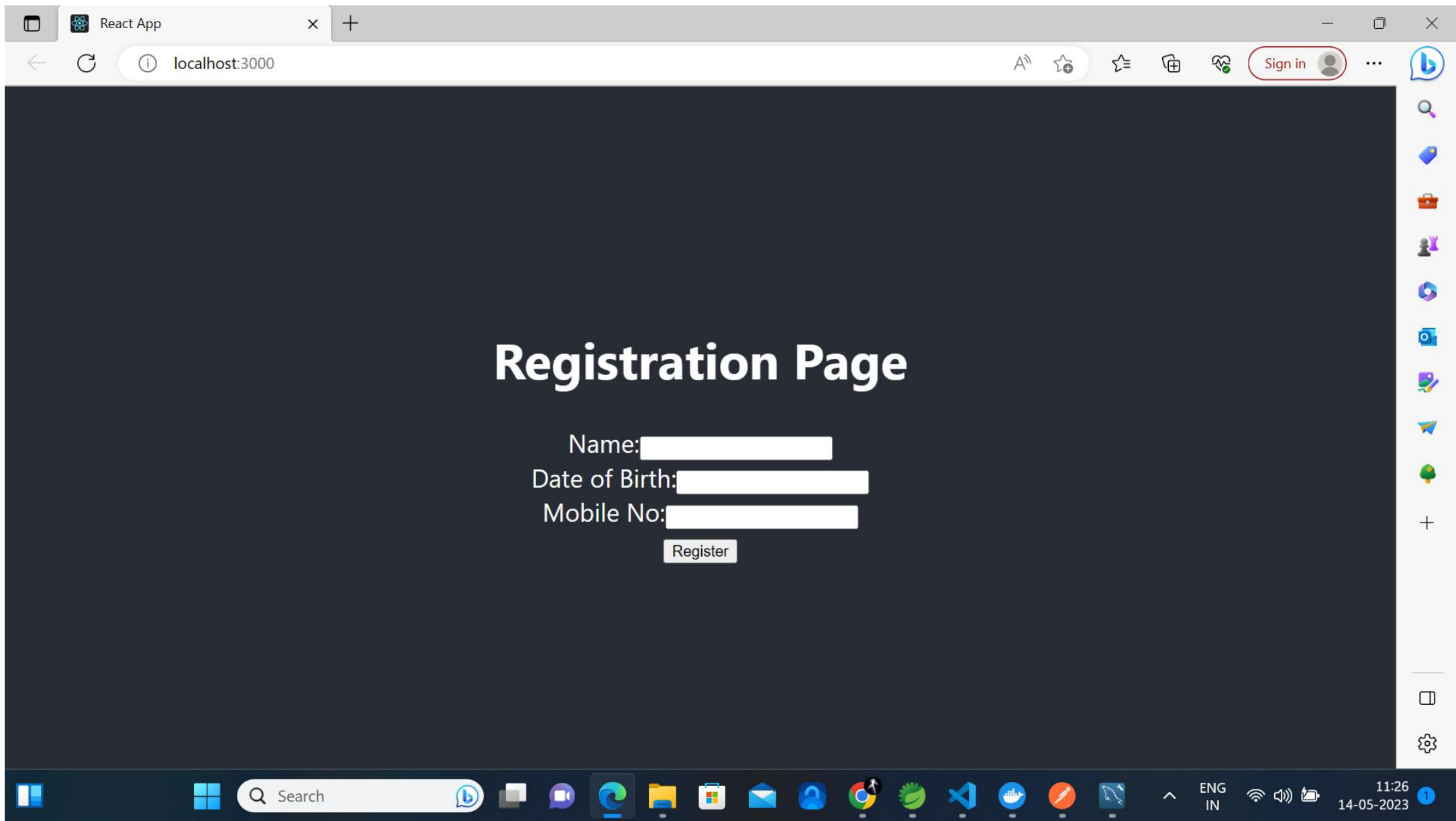
Visual Studio Code interface showing a Docker Compose setup for a React application.

Explorer: JAVA-STS, .metadata, msds, Players, docker-compose.yml

Terminal Output:

```
mysqlldb | 2023-05-14T05:48:22.166598Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
mysqlldb | 2023-05-14T05:48:22.167592Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.33) starting as process 1
mysqlldb | 2023-05-14T05:48:22.175605Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
springapp exited with code 1
mysqlldb | 2023-05-14T05:48:22.390717Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
mysqlldb | 2023-05-14T05:48:22.672351Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
mysqlldb | 2023-05-14T05:48:22.672395Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
mysqlldb | 2023-05-14T05:48:22.675765Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
mysqlldb | 2023-05-14T05:48:22.706341Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqlx.sock
mysqlldb | 2023-05-14T05:48:22.706469Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.33' socket: '/var/run/mysqld/mysql.sock' port: 3306 MySQL Community Server - GPL.
reactapp | Compiled successfully!
reactapp | You can now view msds in the browser.
reactapp | Local: http://localhost:3000
reactapp | On Your Network: http://172.23.0.4:3000
reactapp | Note that the development build is not optimized.
reactapp | To create a production build, use npm run build.
reactapp | webpack compiled successfully
reactapp | Compiling...
reactapp | Compiled successfully!
reactapp | webpack compiled successfully
```

Bottom Bar: master*, 0 errors, 0 warnings, Ln 38, Col 48, Spaces: 2, UTF-8, CRLF, Compose, Go Live, 11:25 14-05-2023



MySQL Workbench interface showing a query execution and result grid.

Navigator:

- SCHEMAS
 - Filter objects
 - cricket
 - Tables
 - players
 - Views
 - Stored Procedures
 - Functions
 - sys

Administration | Schemas

Information:

Table: players

Columns:

- id: int AI PK
- dob: varchar(255)
- mobilenno: varchar(255)
- name: varchar(255)

Query 1 | players | players | players | Limit to 1000 rows

```
1 • SELECT * FROM cricket.players;
```

Result Grid | Filter Rows: | Edit: | Result Grid

	id	dob	mobilenno	name
▶	1	08-04-9999	09404562161	saarabh
	2	23-01-9999	678954321	anupama
	3	11-02-2345	678954321	yogesh
*	NULL	NULL	NULL	NULL

players 1 | Apply | Revert

Context Help | Snippets

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	11:19:54	SELECT * FROM cricket.players LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info | Session



Search

ENG
IN11:26
14-05-2023