College Fest Student Debate

Lab 6 – Spring Assignment Solution

By-

Sandeep Sharma

Change username and password of your database connection (and port if required) in application.properties.

No need to create any schema/table in database before starting the application, my program will do that on its own.

Application.properties:

```
info.project.name=College Fest Student Debate
info.project.instructor=Sandeep Sharma
info.project.env=local

server.port=8080
spring.jpa.hibernate.ddl-auto=update
spring.sql.init.mode=always
spring.jpa.defer-datasource-initialization=true
spring.datasource.url=jdbc:mysql://localhost:3306/studentDebate?createDatabaseIfNotExist=true

#No need to change anything except username and password
spring.datasource.username=root
spring.datasource.password=Sanet@2021_12

server.servlet.context-path=/CollegeFestStudentDebate

spring.mvc.view.prefix: /WEB-INF/views/
spring.mvc.view.suffix: .jsp
```

Data.sql:

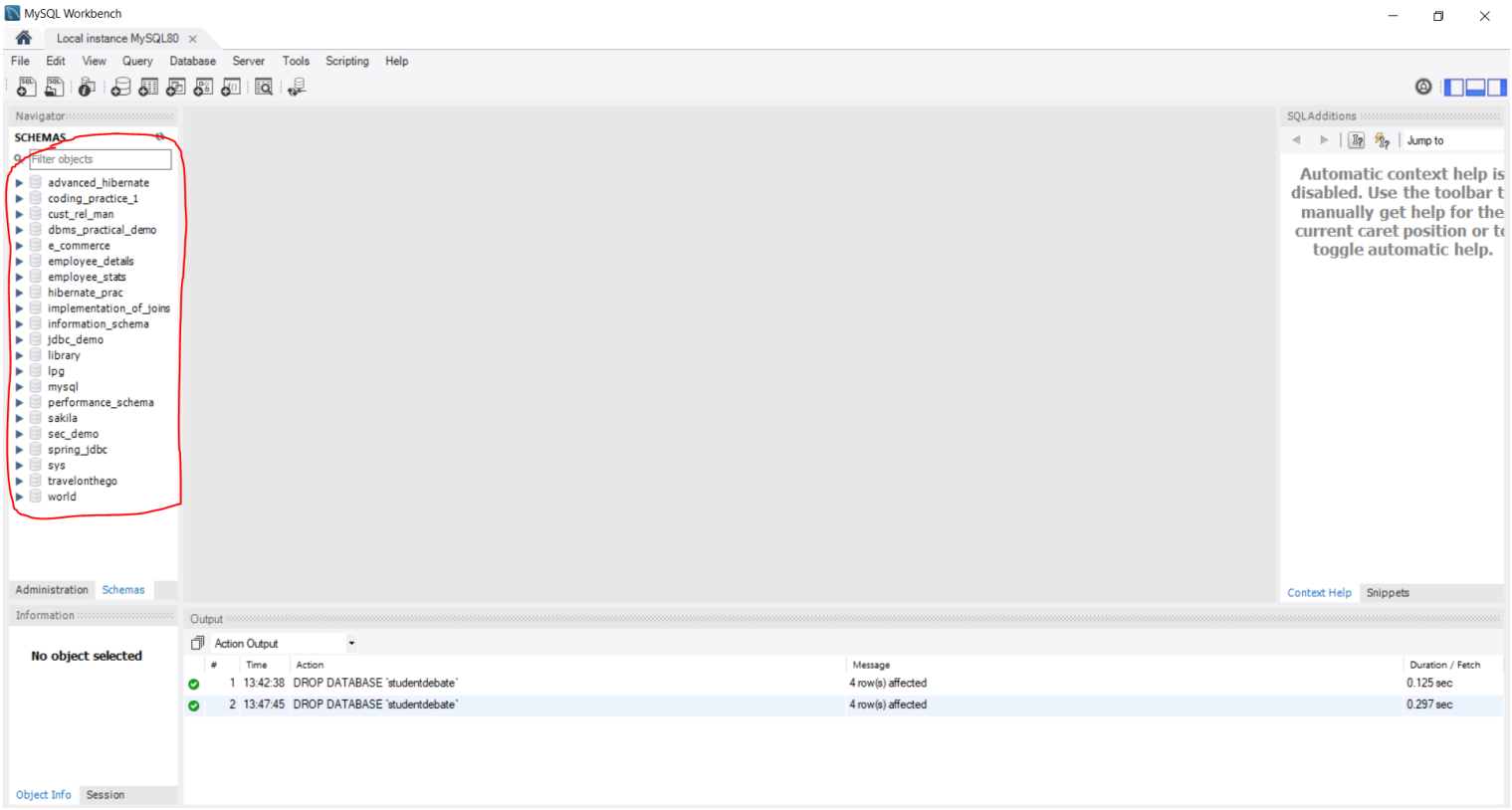
data.sql ×

Connection profile

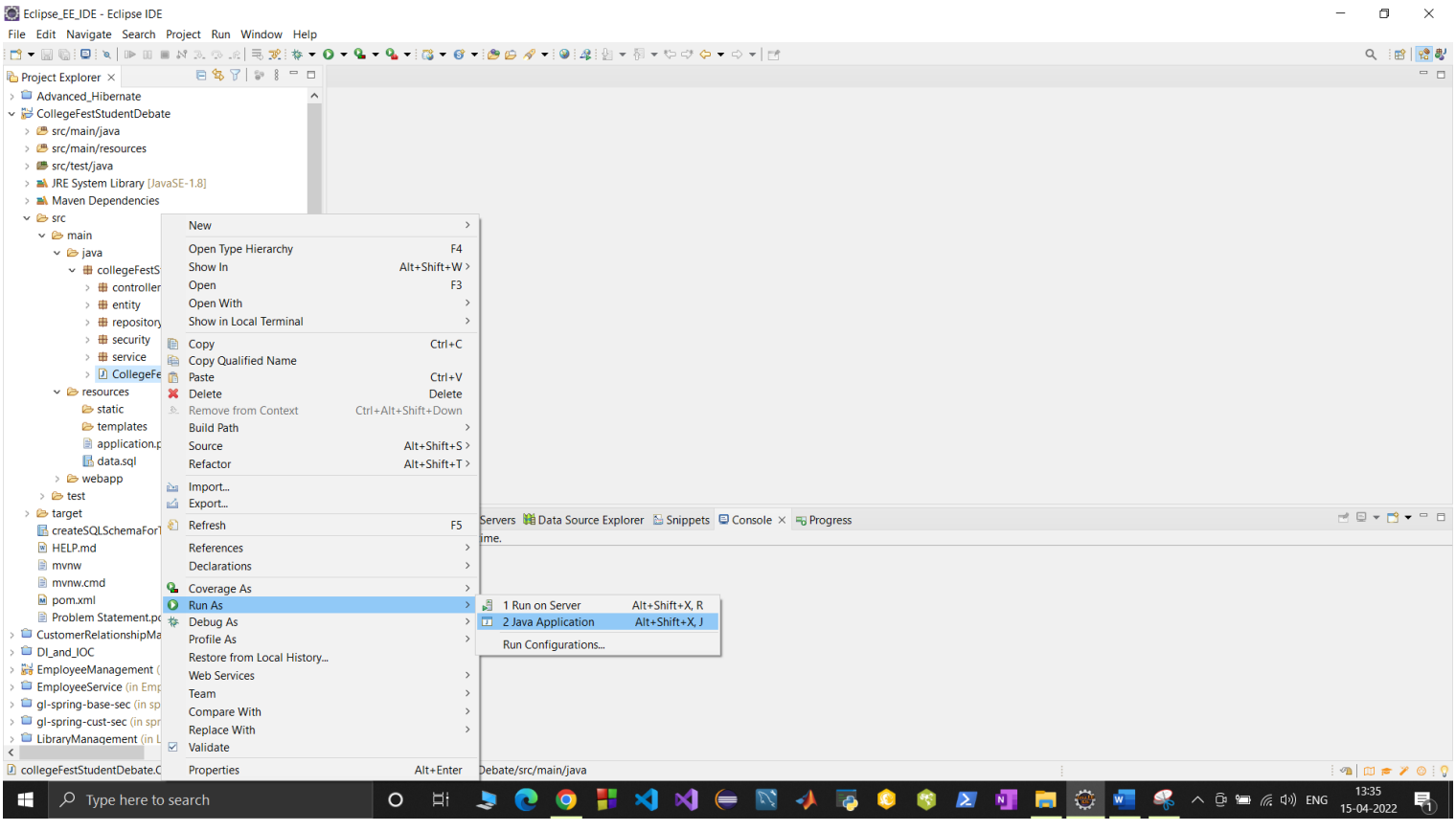
Type: Name: Database: Status: Disconnected,

```
delete from users_roles;
delete from role;
delete from users;

insert into role values (1, 'ADMIN');
insert into role values (2, 'USER');

insert into users (id, username, password) values (1, 'sandeep', '$2a$10$PXk9eaqe.wAU6IHHsOTPzOAxKPtRO.Z5SFpHwKbBNprfkpueGRdCq');
insert into users_roles values (1,1);
--password for Admin(sandeep) - 123Admin

insert into users (id, username, password) values (2, 'sandeep2', '$2a$10$2QHDmYNrfD/QHVZkujURq.5hX2tgB1MI7MLrisIAau/0HGLTffhCa');
insert into users_roles values (2,2);
--password for user(sandeep2) - 123User
```

Before starting database doesn’t have studentdebate schema:



To start the application:



```
CollegeFestStudentDebateApplication [Java Application] X:\Java\jdk-17.0.1\bin\javaw.exe  (15-Apr-2022, 1:35:38 pm)
13:35:44.408 [Thread-0] DEBUG org.springframework.boot.devtools.restart.classloader.RestartClassLoader - Created RestartClassLoader org.springframework.boot.devtools.restart.classloader.RestartClassLoader@

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  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.5.6)

2022-04-15 13:35:45.306  INFO 4736 --- [  restartedMain] c.CollegeFestStudentDebateApplication    : Starting CollegeFestStudentDebateApplication using Java 17.0.1 on Super-Laptop-31101995 with PID 4736 (S:\
2022-04-15 13:35:45.307  INFO 4736 --- [  restartedMain] c.CollegeFestStudentDebateApplication    : No active profile set, falling back to default profiles: default
2022-04-15 13:35:45.451  INFO 4736 --- [  restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable
2022-04-15 13:35:45.451  INFO 4736 --- [  restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property to 'DEBUG'
2022-04-15 13:35:46.839  INFO 4736 --- [  restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-04-15 13:35:46.948  INFO 4736 --- [  restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 94 ms. Found 2 JPA repository interfaces.
2022-04-15 13:35:48.648  INFO 4736 --- [  restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 8080 (http)
2022-04-15 13:35:48.666  INFO 4736 --- [  restartedMain] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2022-04-15 13:35:48.666  INFO 4736 --- [  restartedMain] org.apache.catalina.core.StandardEngine  : Starting Servlet engine: [Apache Tomcat/9.0.54]
2022-04-15 13:35:49.609  INFO 4736 --- [  restartedMain] org.apache.jasper.servlet.TldScanner     : At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a c
2022-04-15 13:35:49.625  INFO 4736 --- [  restartedMain] .a.c.c.C.[.[.[/CollegeFestStudentDebate] : Initializing Spring embedded WebApplicationContext
2022-04-15 13:35:49.625  INFO 4736 --- [  restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 4174 ms
2022-04-15 13:35:50.236  INFO 4736 --- [  restartedMain] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [name: default]
2022-04-15 13:35:50.288  INFO 4736 --- [  restartedMain] org.hibernate.Version                    : HHH000412: Hibernate ORM core version 5.4.32.Final
2022-04-15 13:35:50.425  INFO 4736 --- [  restartedMain] o.hibernate.annotations.common.Version   : HCANN000001: Hibernate Commons Annotations {5.1.2.Final}
2022-04-15 13:35:50.540  INFO 4736 --- [  restartedMain] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2022-04-15 13:35:50.980  INFO 4736 --- [  restartedMain] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2022-04-15 13:35:51.008  INFO 4736 --- [  restartedMain] org.hibernate.dialect.Dialect            : HHH000400: Using dialect: org.hibernate.dialect.MySQL8Dialect
2022-04-15 13:35:52.600  INFO 4736 --- [  restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJta
2022-04-15 13:35:52.609  INFO 4736 --- [  restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2022-04-15 13:35:53.320  WARN 4736 --- [  restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view r
2022-04-15 13:35:54.510  INFO 4736 --- [  restartedMain] o.s.s.web.DefaultSecurityFilterChain     : Will secure any request with [org.springframework.security.web.context.request.async.WebAsyncManagerIntegr
2022-04-15 13:35:55.043  INFO 4736 --- [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port 35729
2022-04-15 13:35:55.101  INFO 4736 --- [  restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 8080 (http) with context path '/CollegeFestStudentDebate'
2022-04-15 13:35:55.113  INFO 4736 --- [  restartedMain] c.CollegeFestStudentDebateApplication    : Started CollegeFestStudentDebateApplication in 10.691 seconds (JVM running for 11.711)
2022-04-15 13:35:55.410  INFO 4736 --- [nio-8080-exec-1] .a.c.c.C.[.[.[/CollegeFestStudentDebate] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2022-04-15 13:35:55.410  INFO 4736 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : Initializing Servlet 'dispatcherServlet'
2022-04-15 13:35:55.411  INFO 4736 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet        : Completed initialization in 1 ms
```
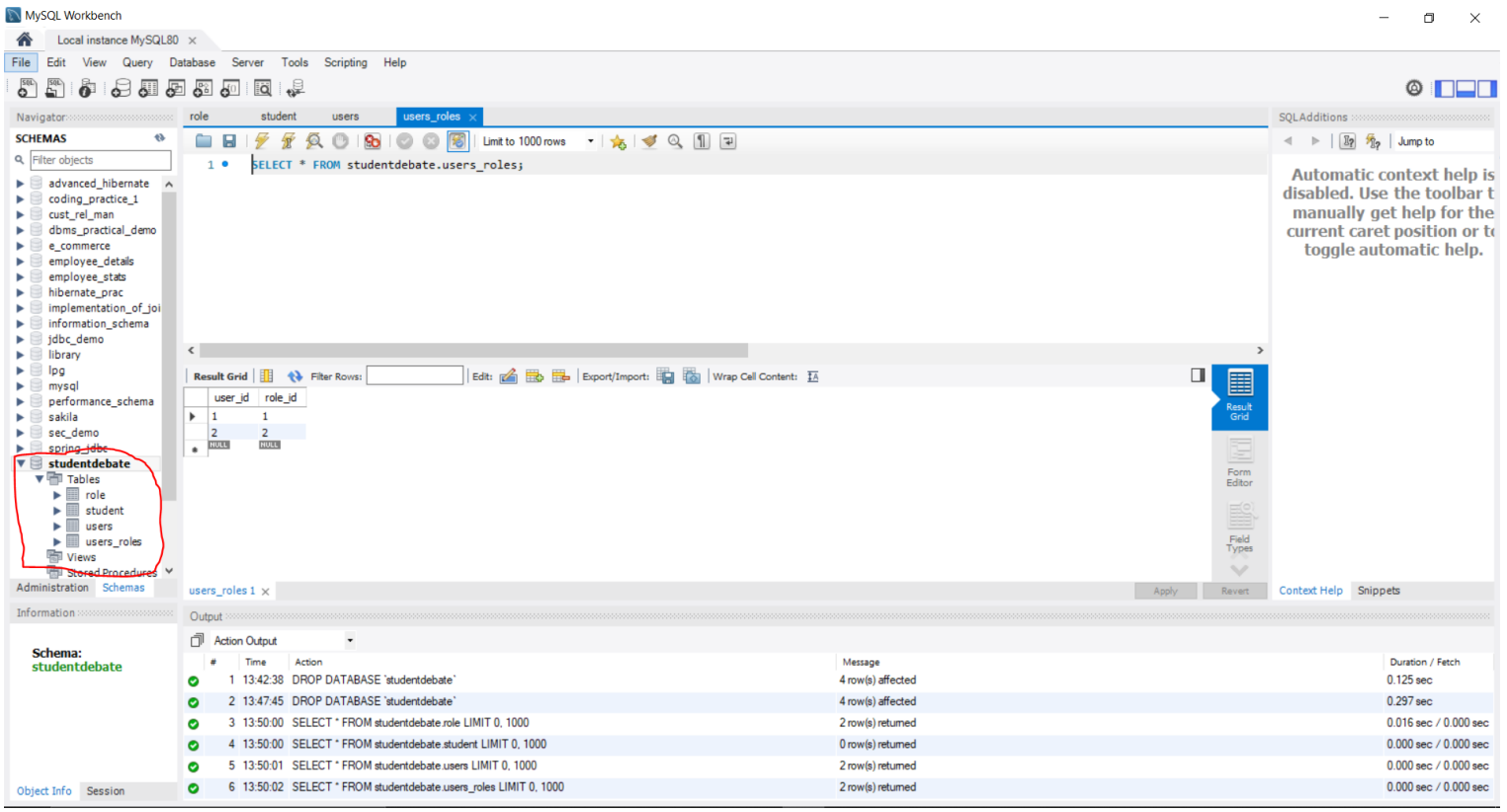
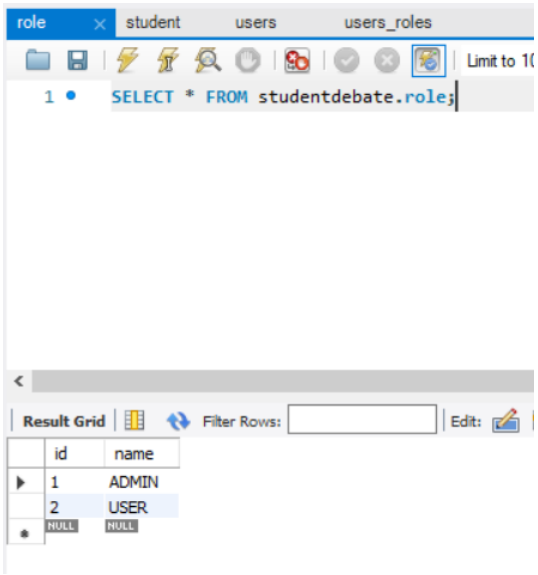
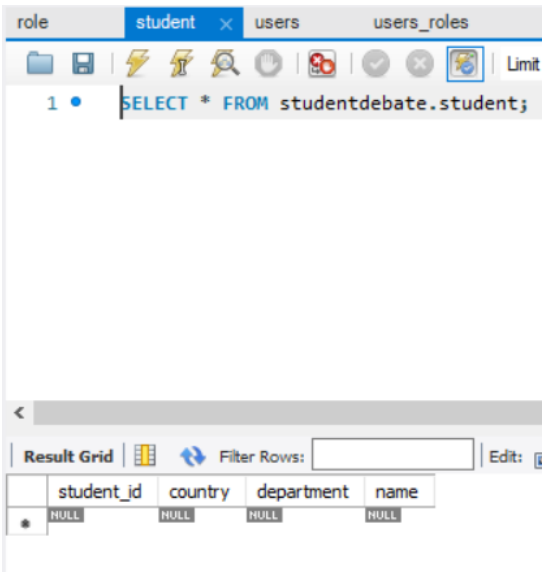
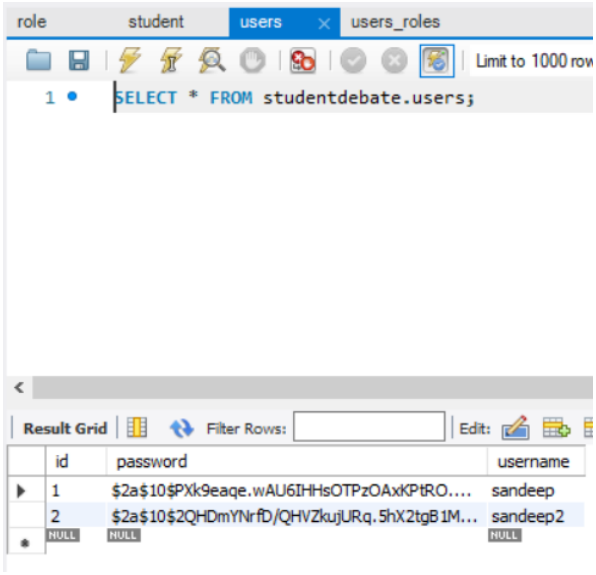

Database after starting application:

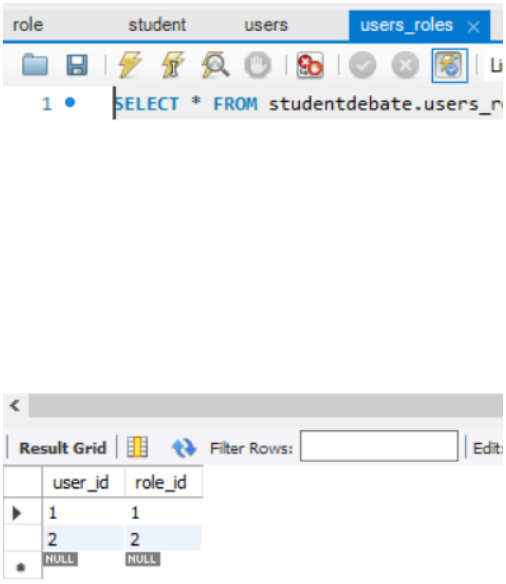


Tables after application starts:

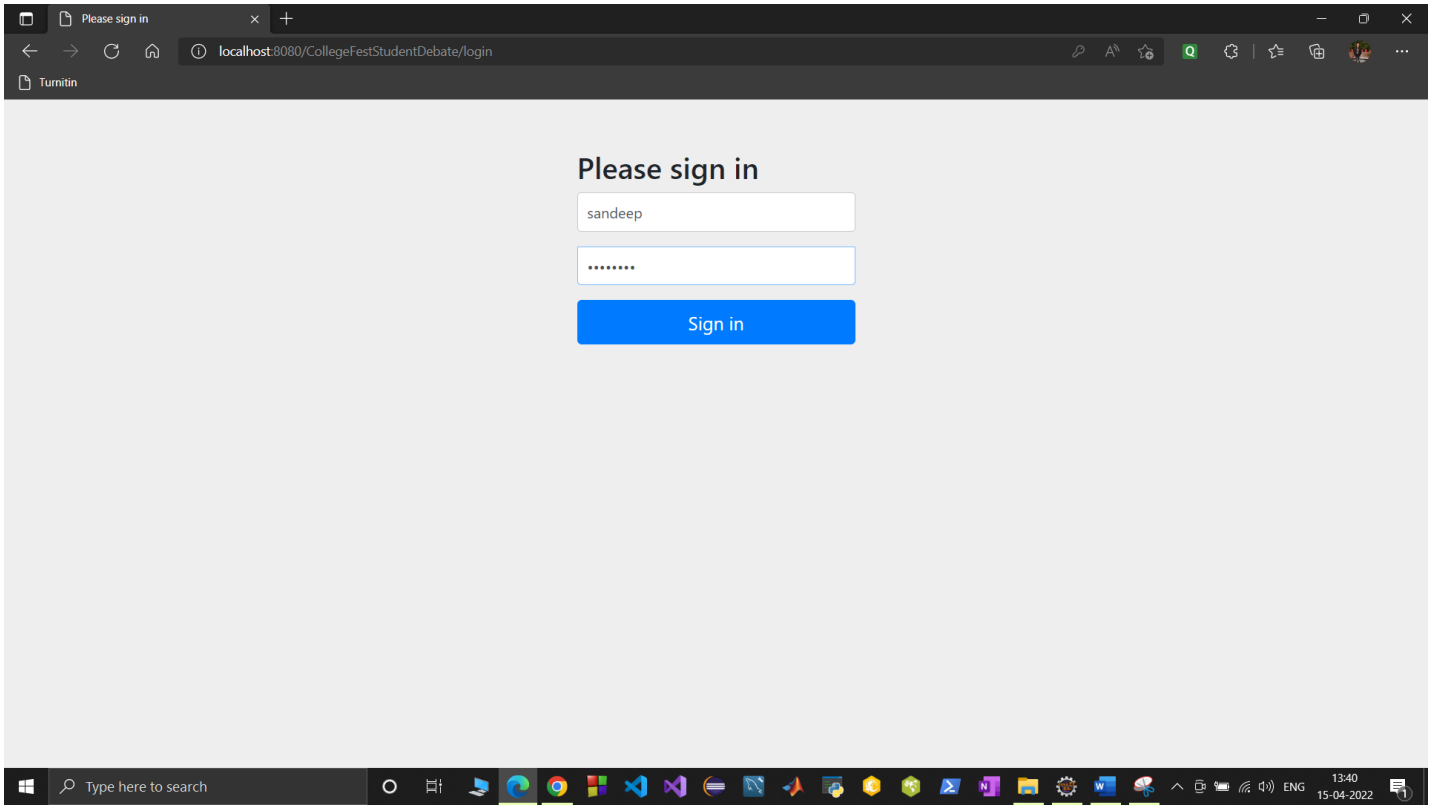


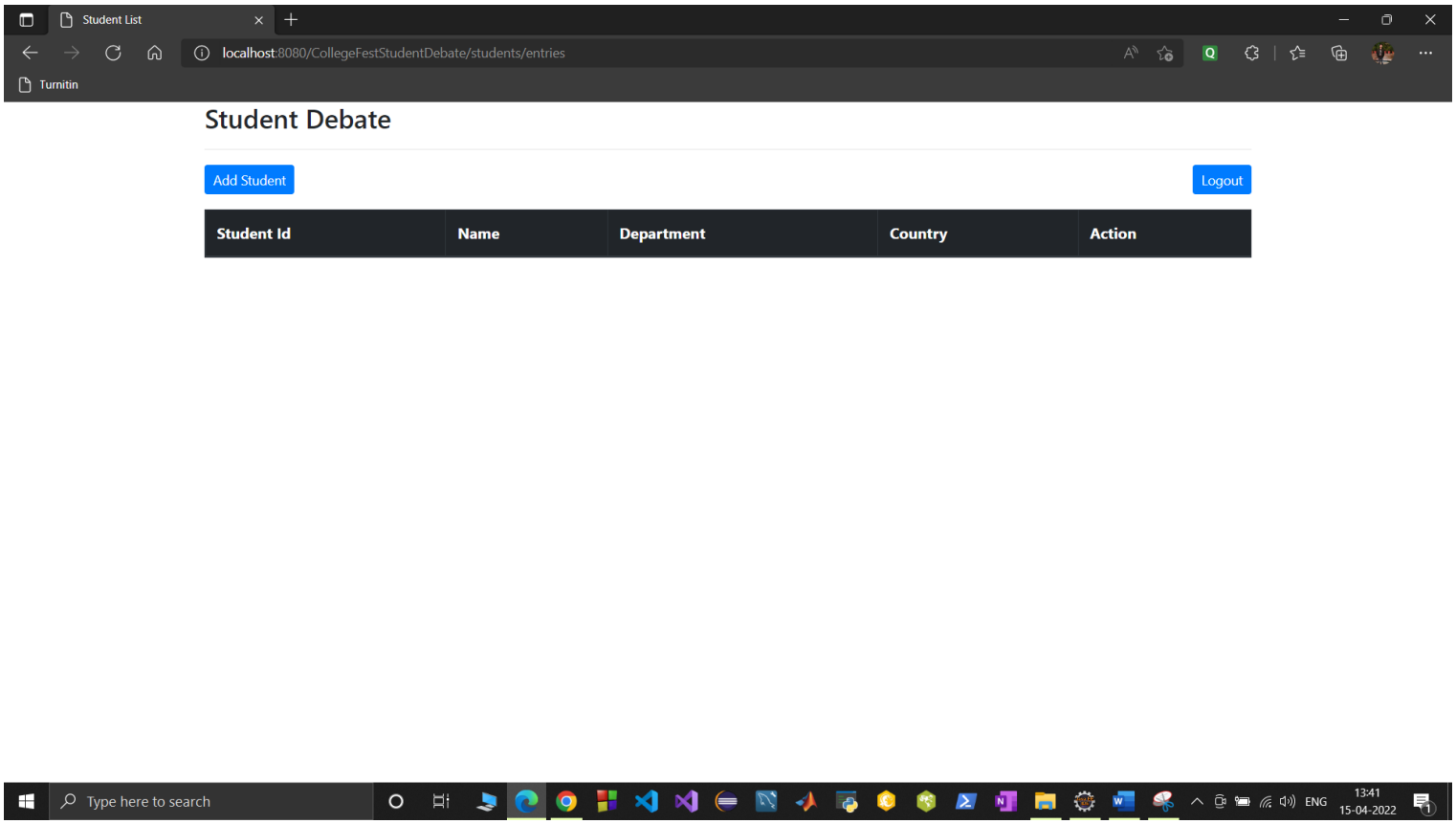




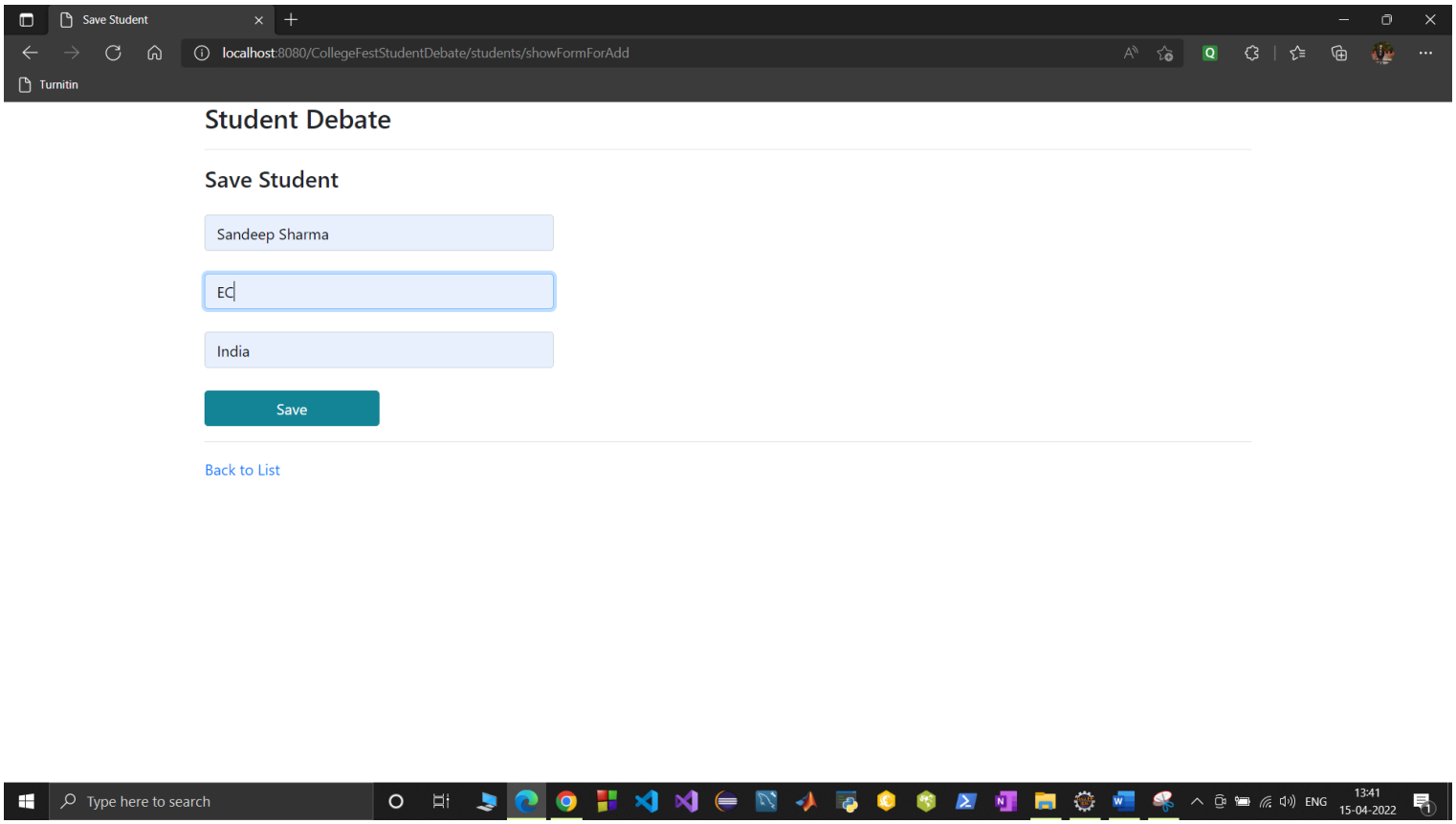


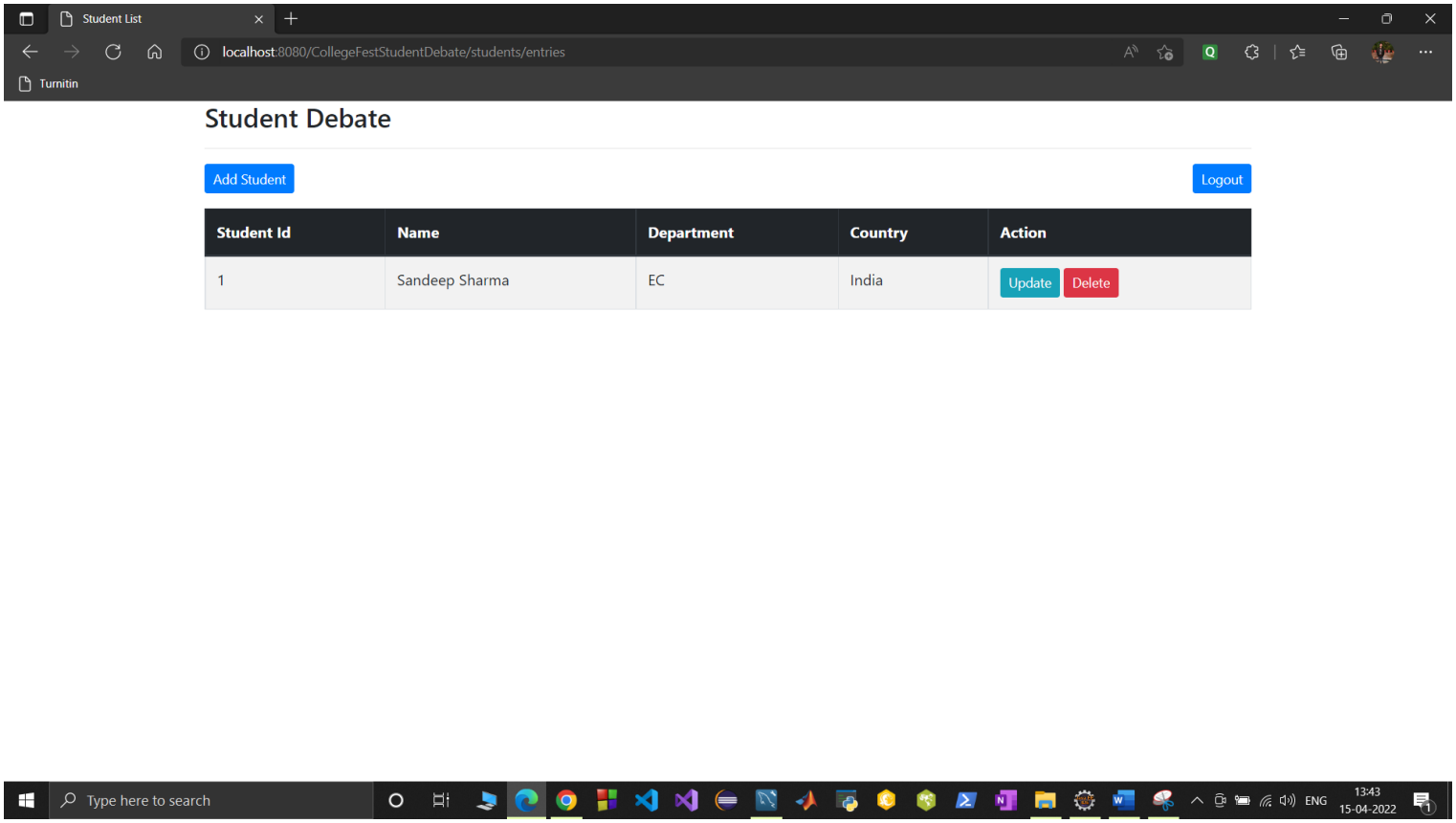
Login as Admin (sandeep, 123Admin)



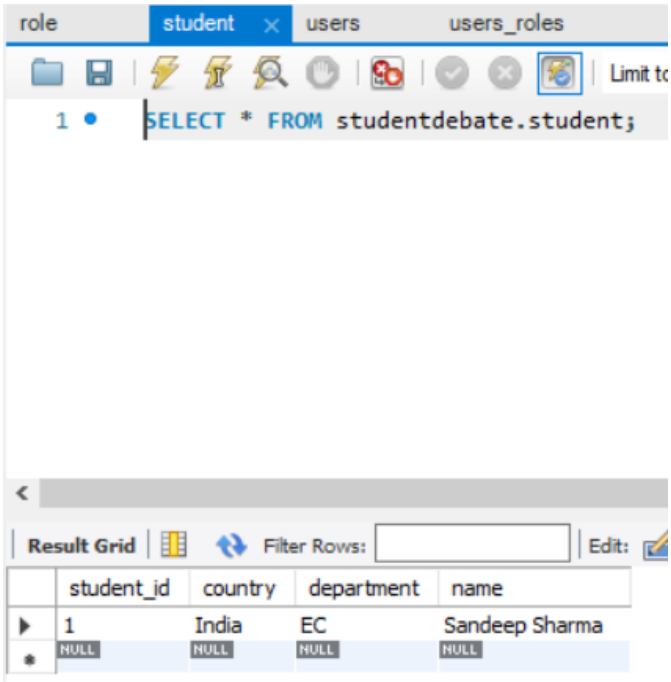


Add Student and save:

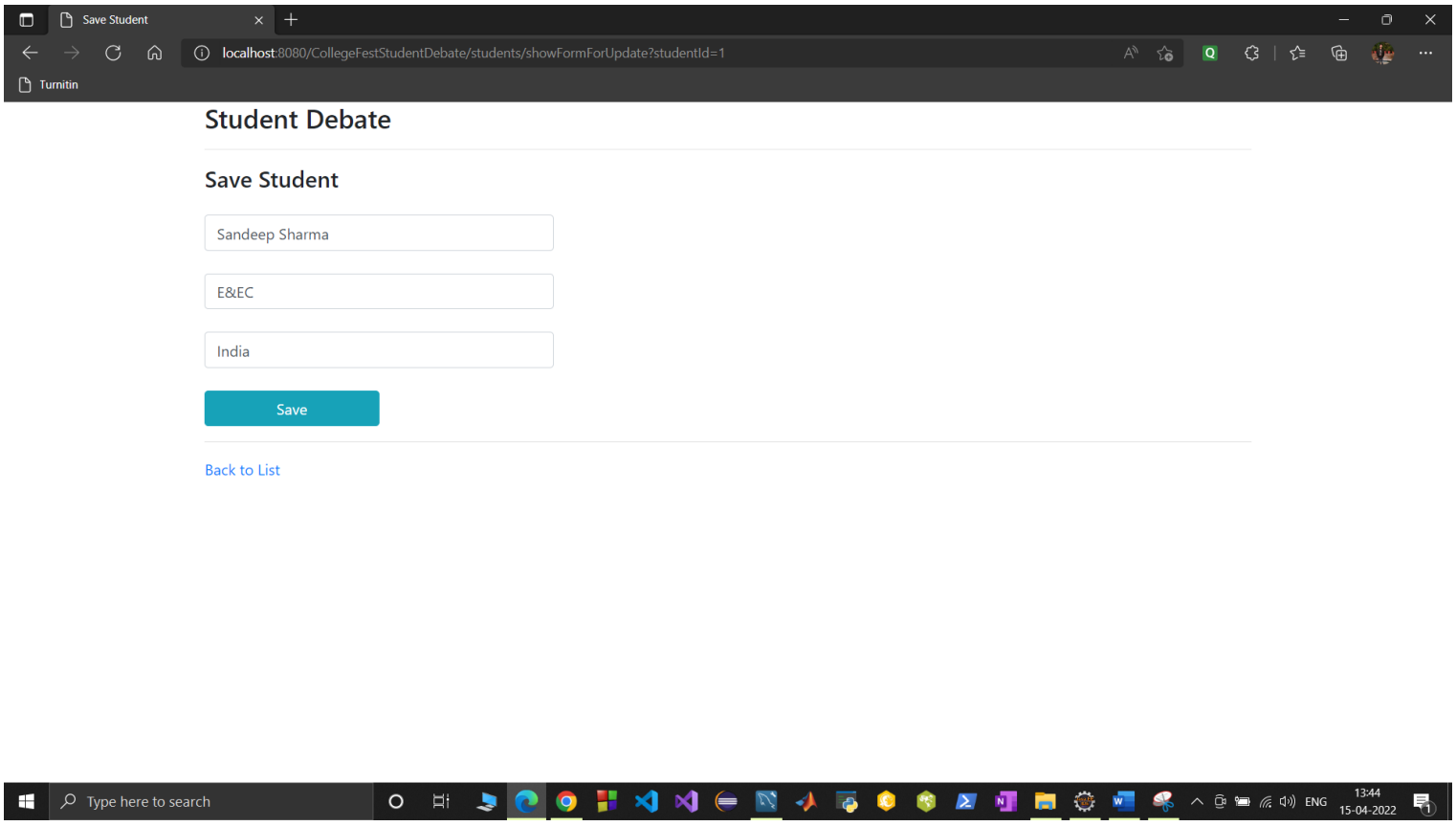


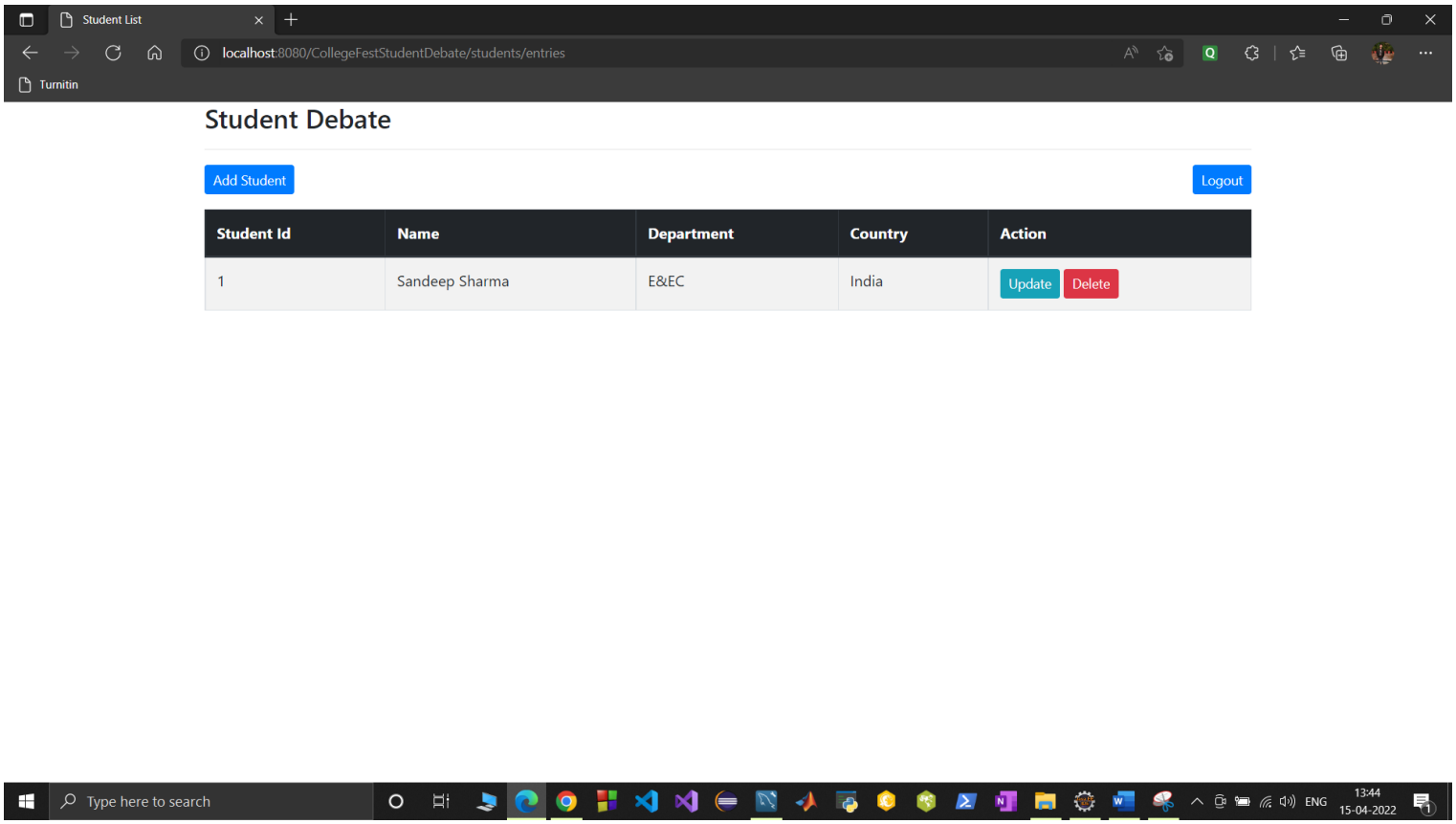


Database after adding student:

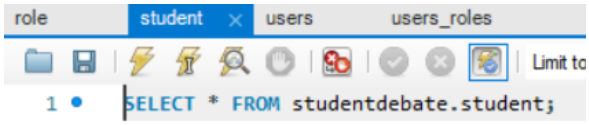


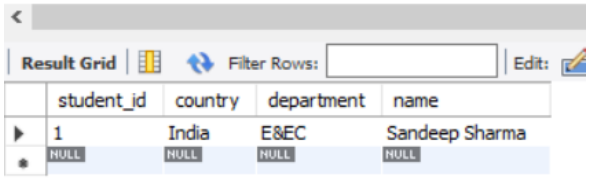
Update (department EC to E&EC) and save:



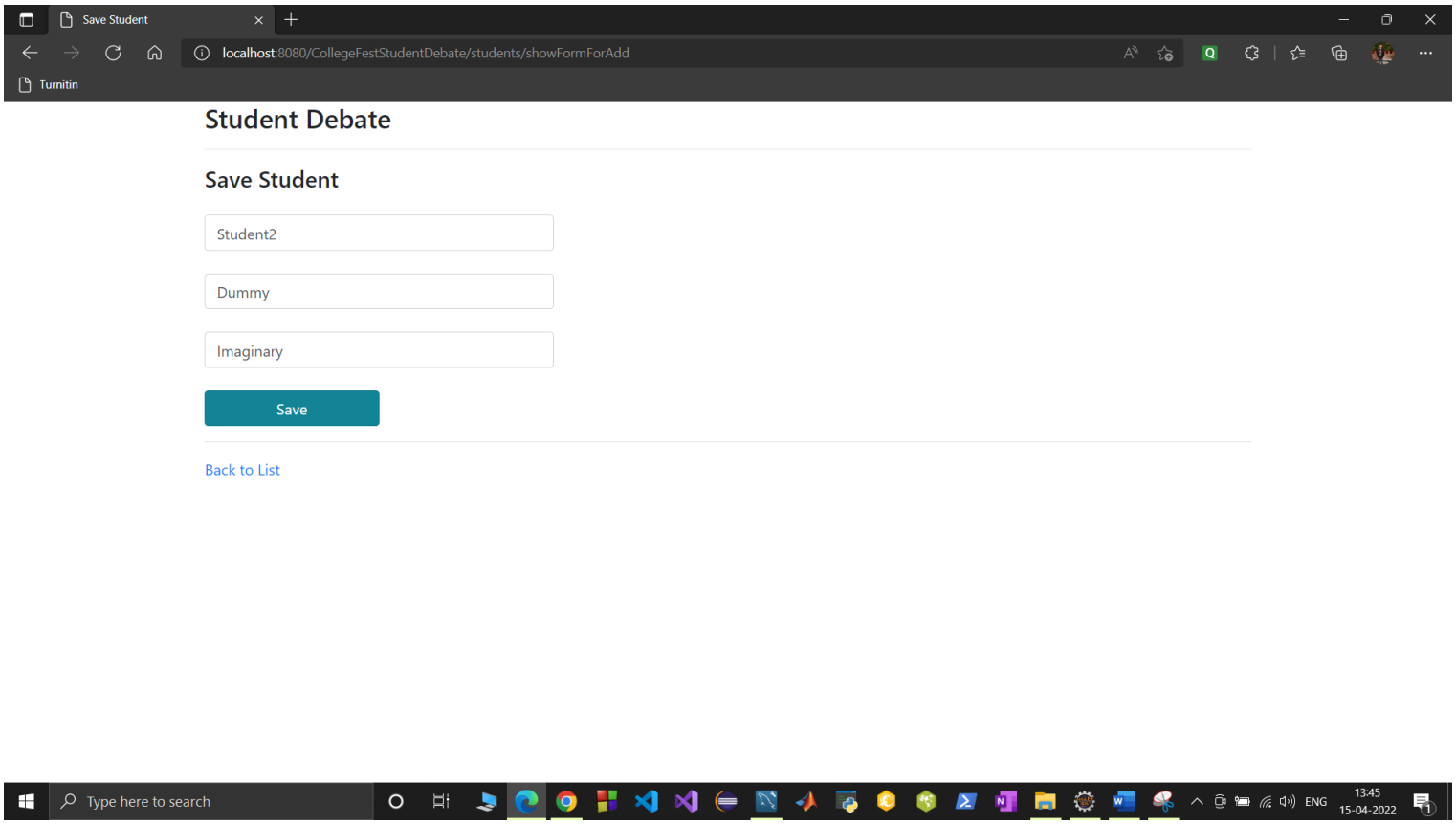


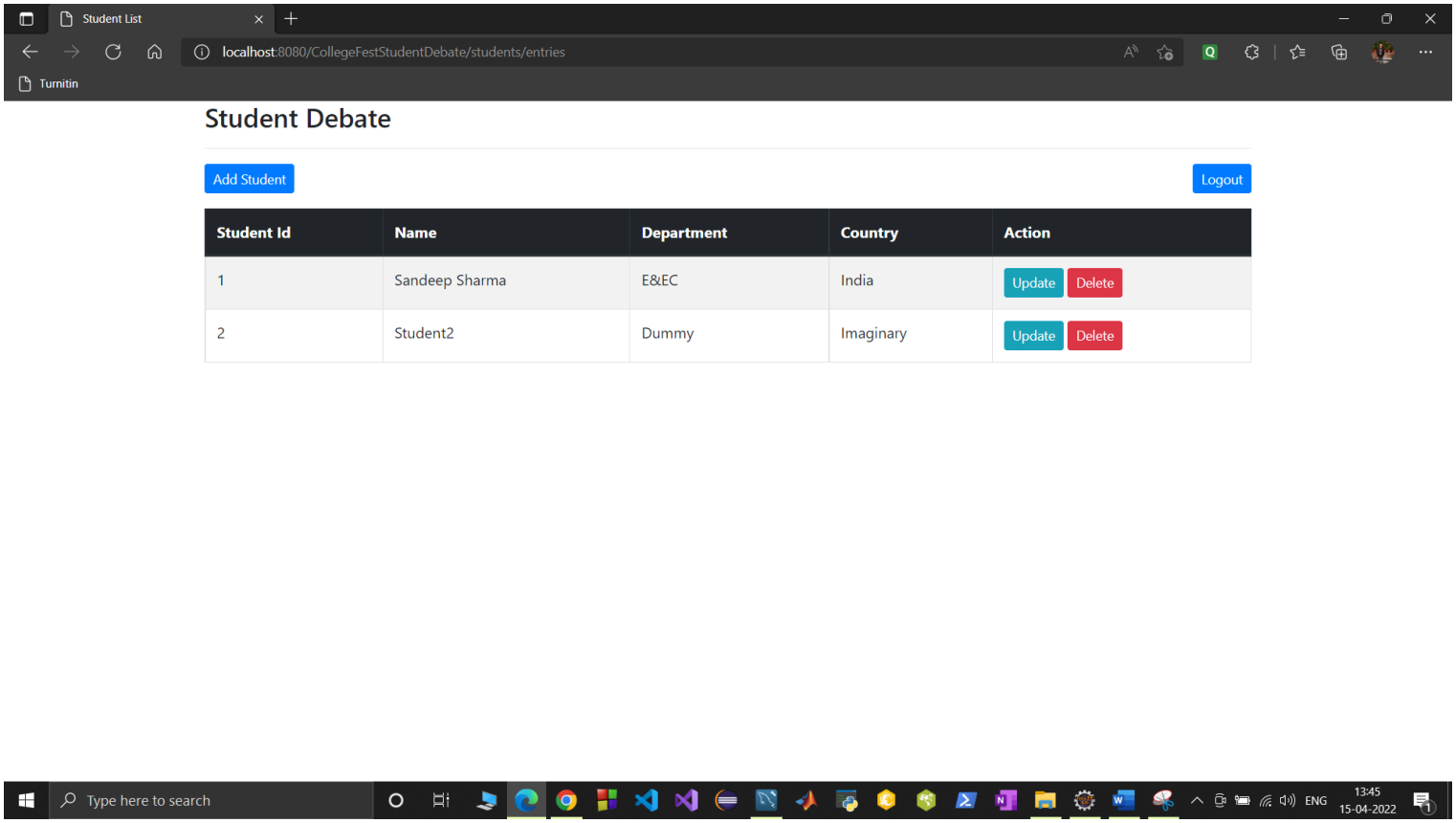
Database after updating student department:



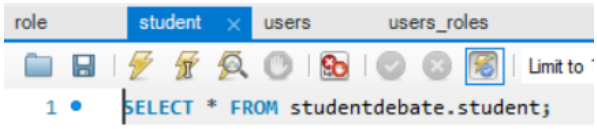


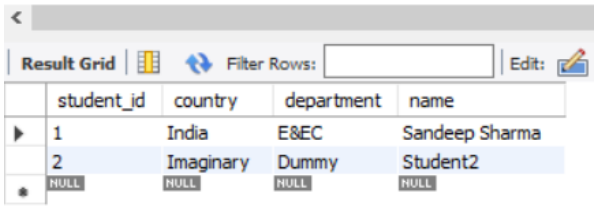
Add one more student and save:



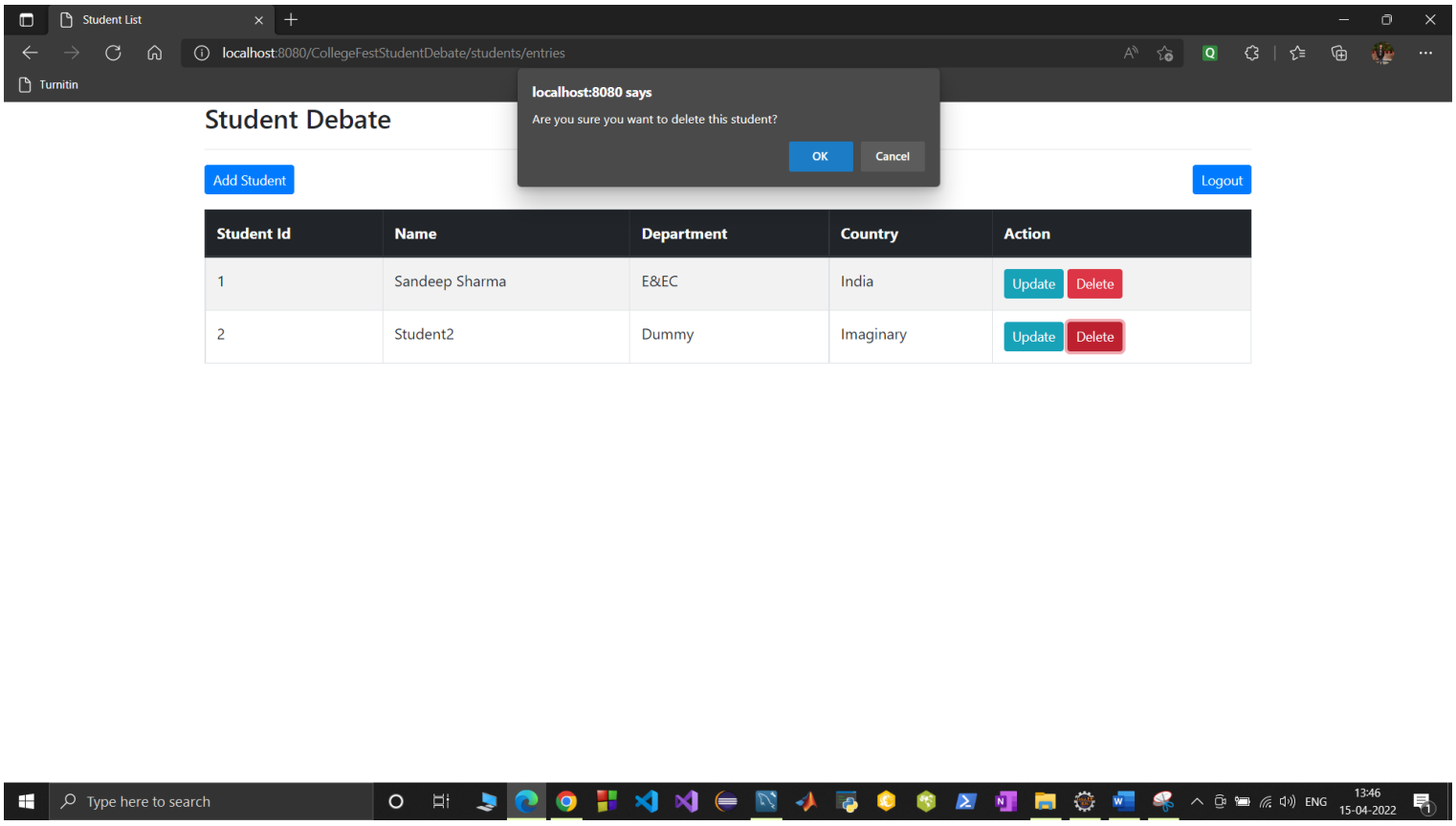


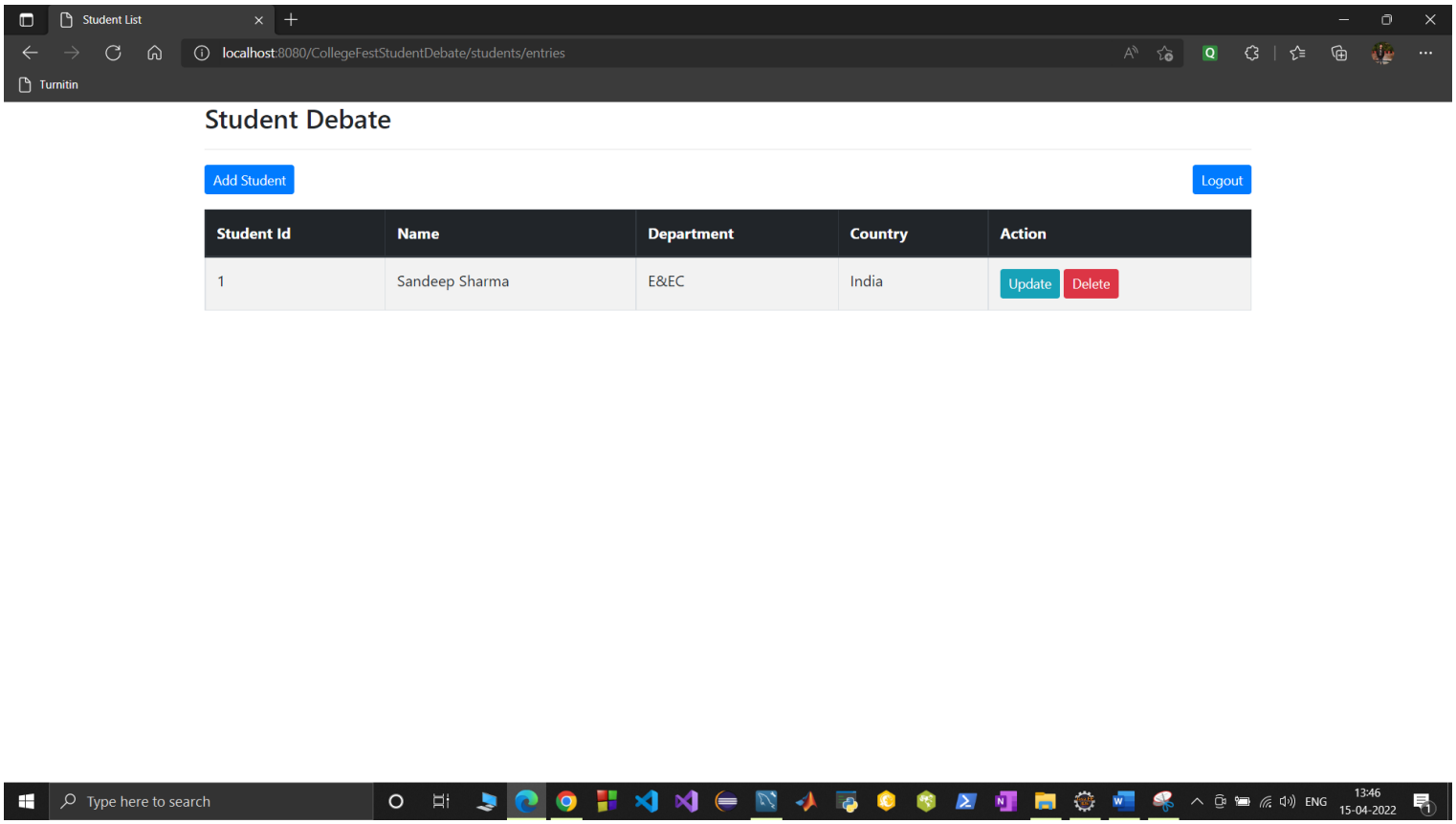
Database after adding one more student:



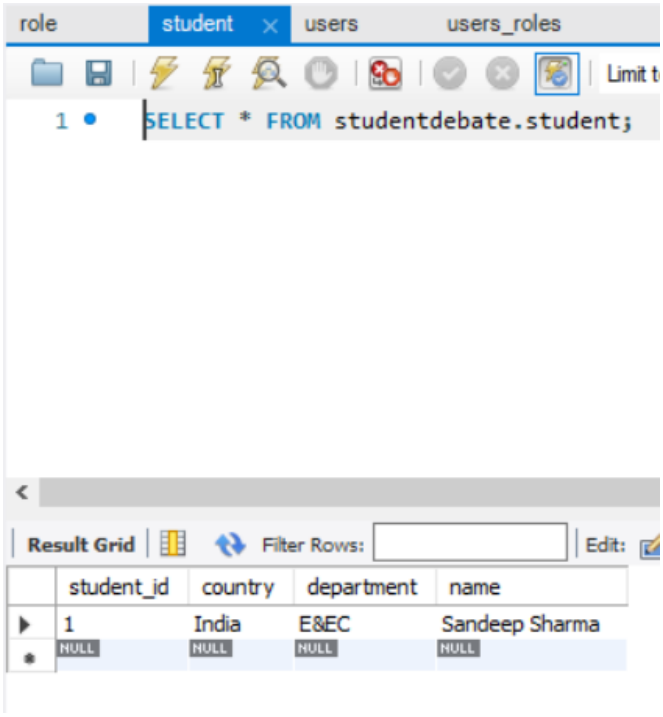


Delete student2:

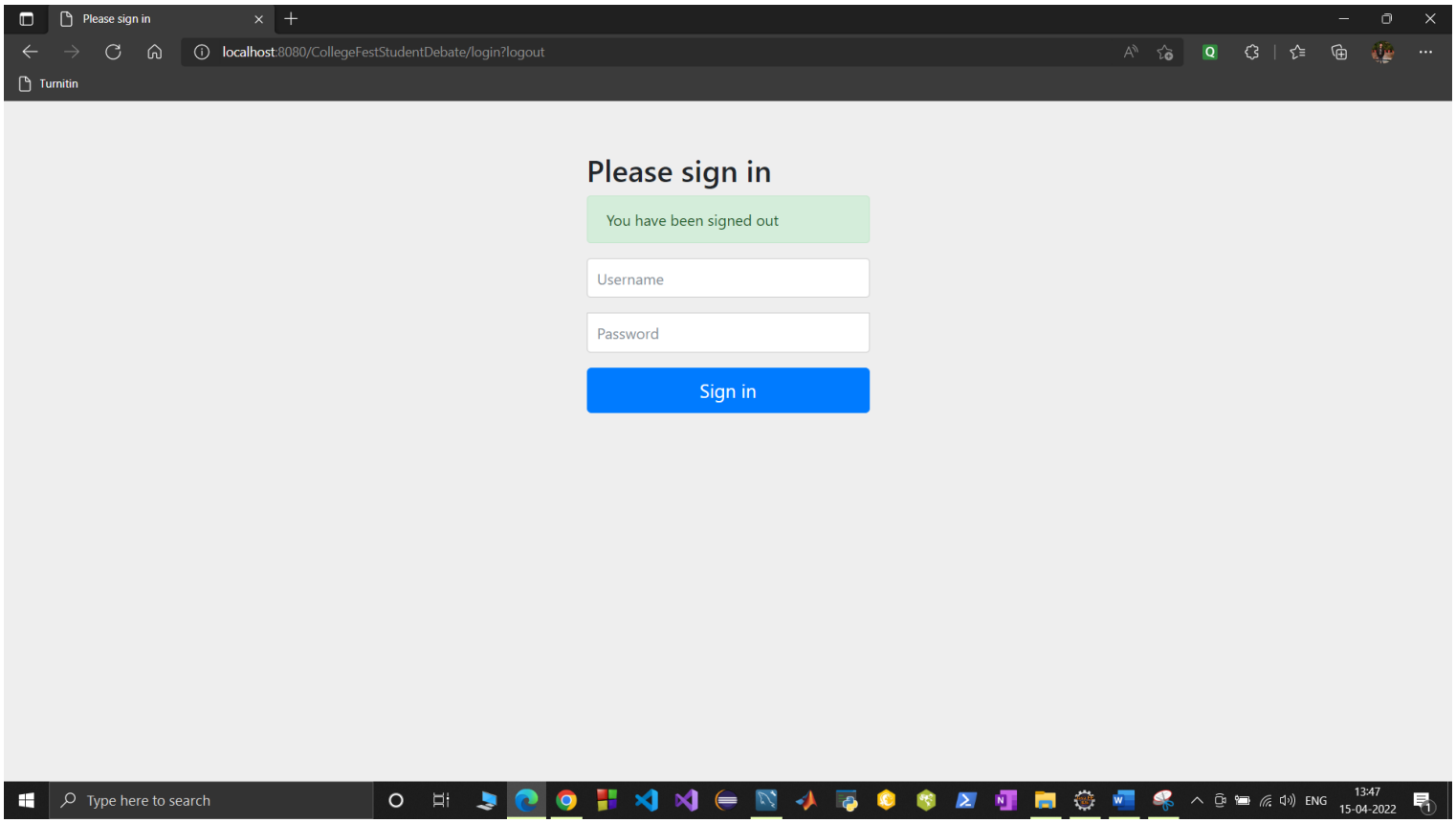




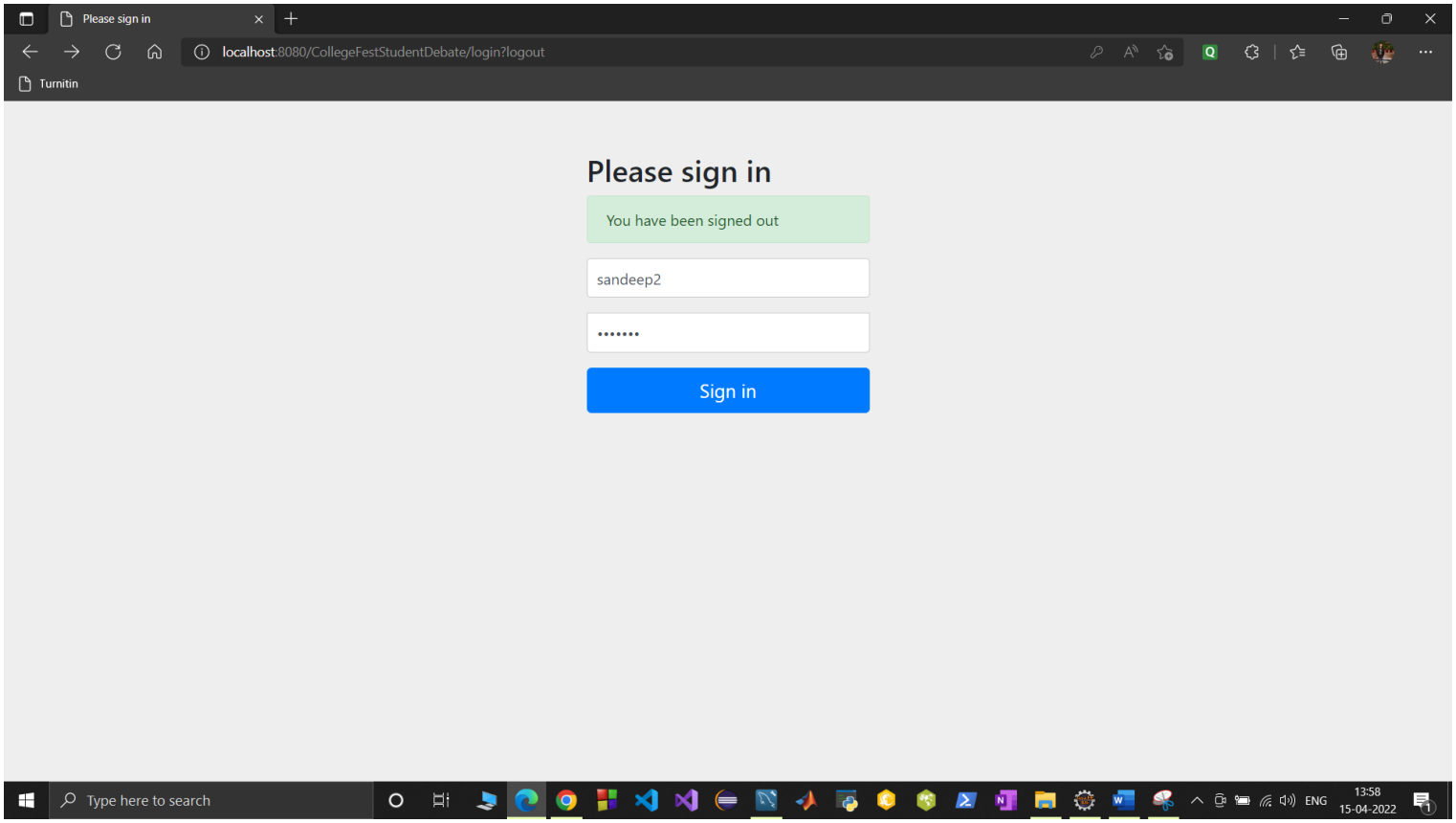
Database after deletion:



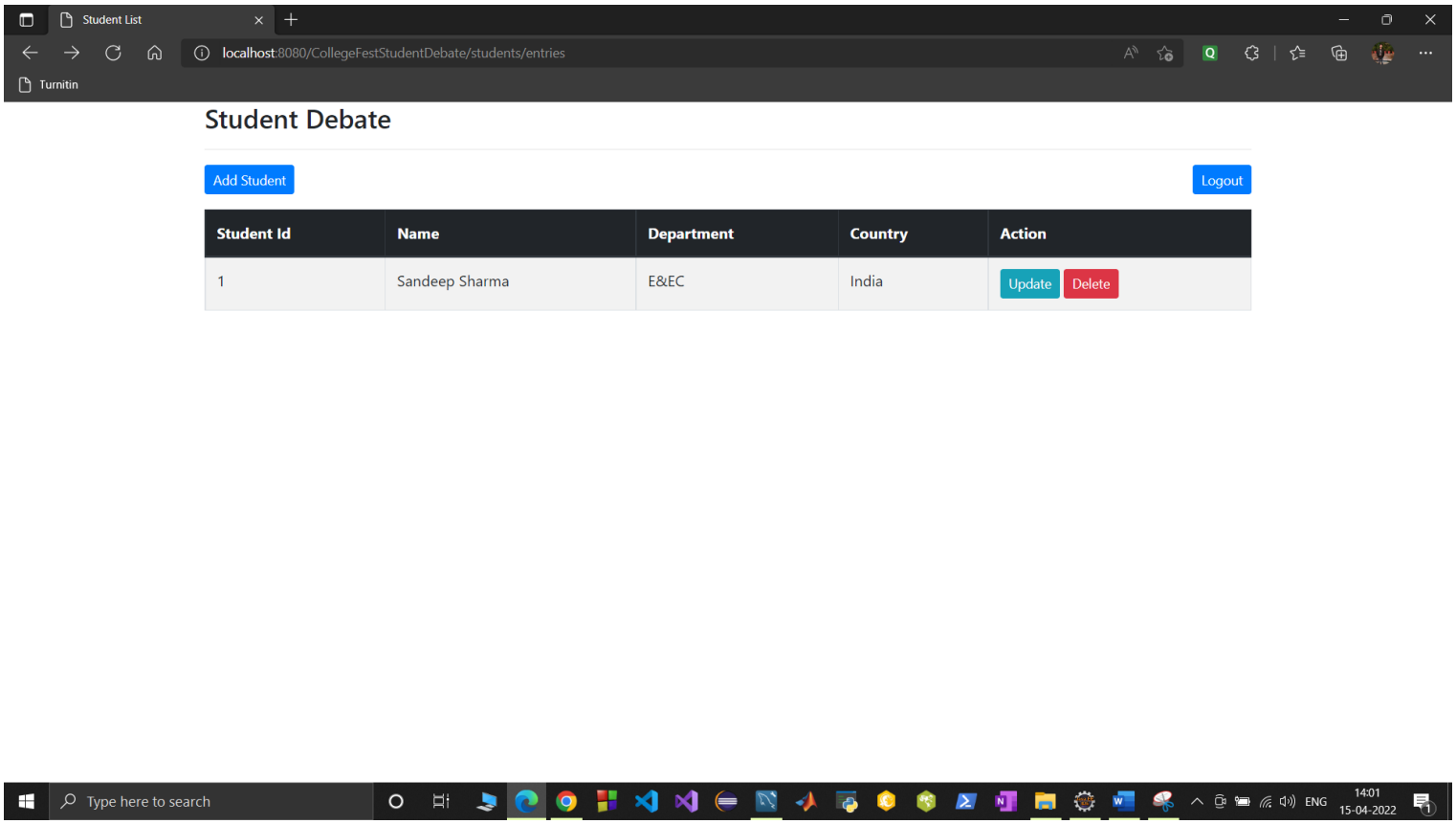
Logout:



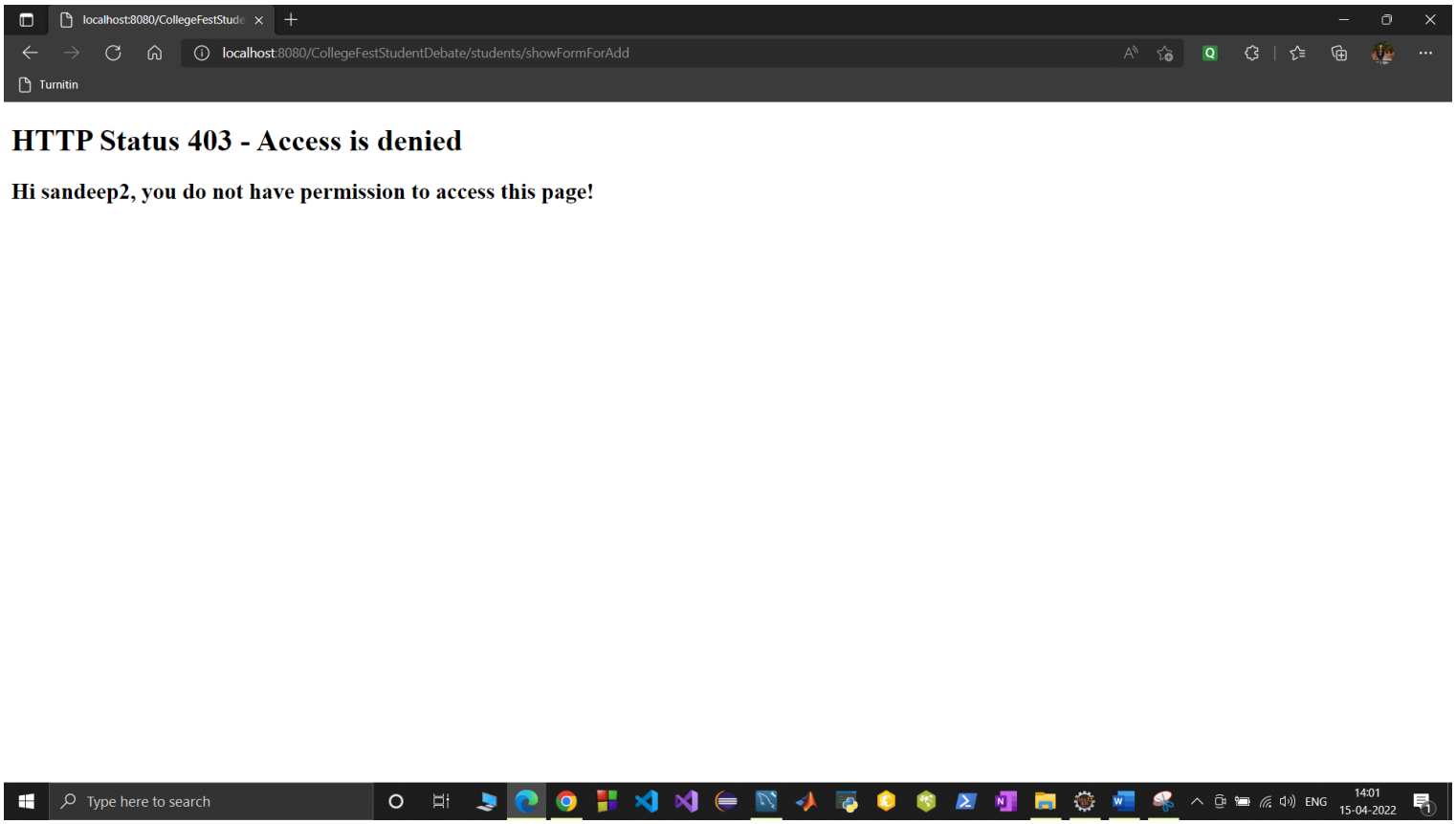
Login as User (sandeep2, 123User):



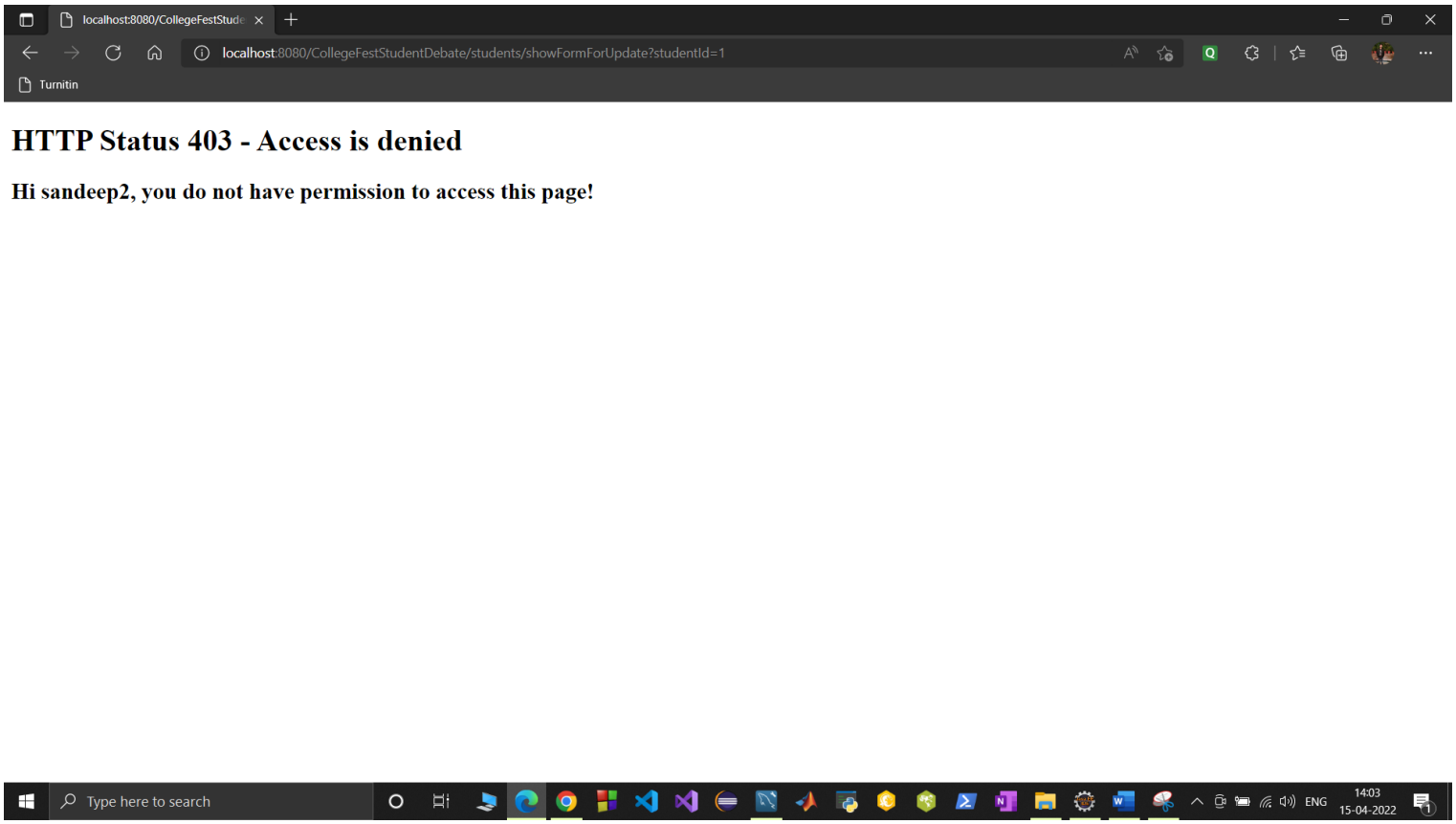
User can only view the student list and is not allowed to do any other operation.



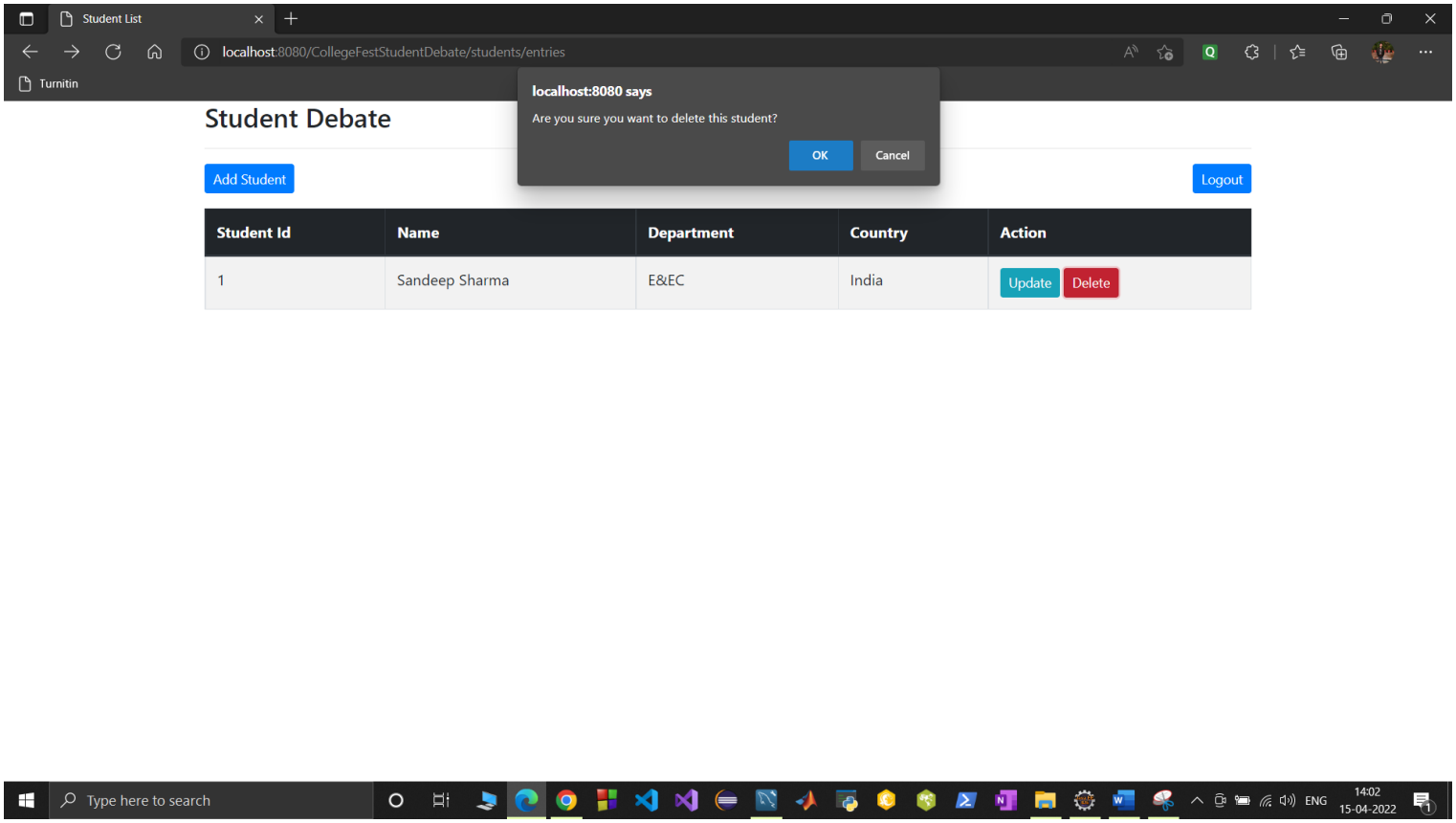
Try Add Student:

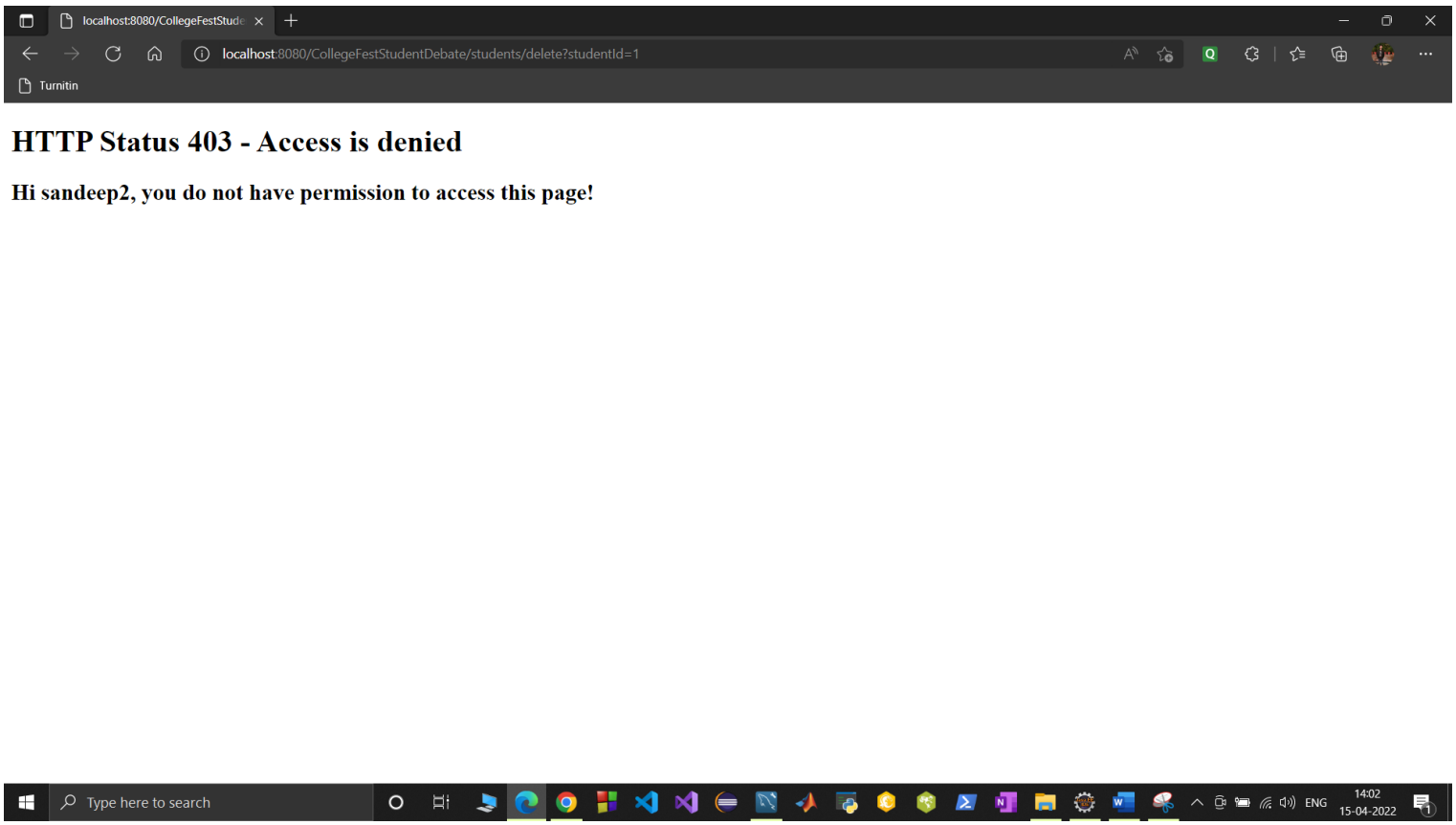
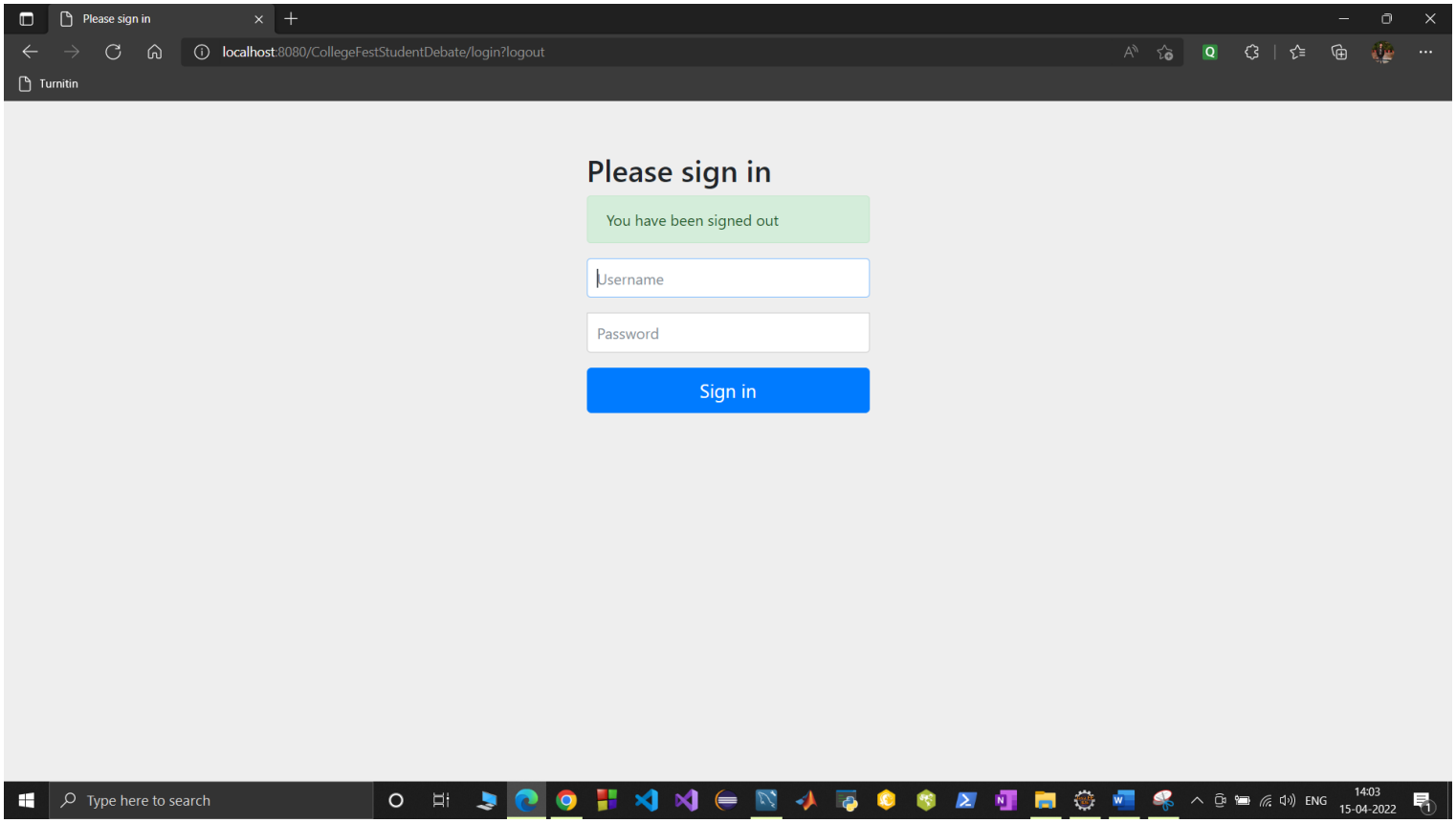


Try updating student details:



Try deleting the student:





Finally, logout: