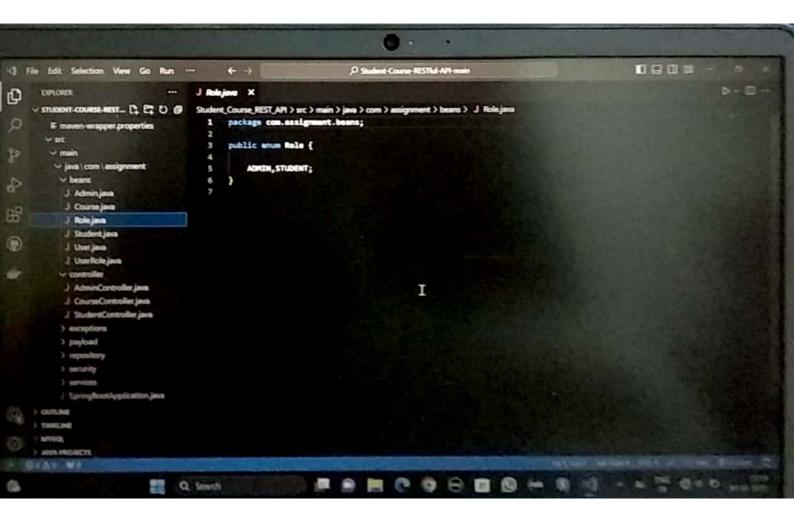


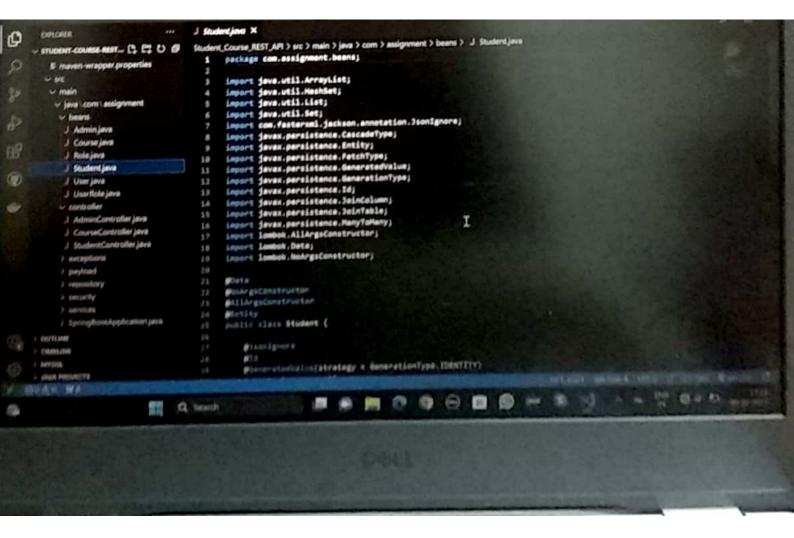
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                                                 J Adminjova X
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                                                  Student_Course_REST_API > src > main > java > com > assignment > beans > J Admin.java
19 @IOArgsConstructor
20 @AllArgsConstructor
    F maven-wrapper properties
  ~ 800
                                                             Entity
public class Admin (
                                                     21

→ main

                                                      22
                                                      23
                                                                    @Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
                                                      24
                                                      25
                                                                     private Integer id;
                                                       26
                                                                     private String nam;
private String emailId;
private String password;
                                                       27
                                                        28
                                                        29
            J Userjava
                                                        30
                                                                      @rianyToPany(cascade = CascadeType.ALL, fetch = FetchType.EAGER)
@loinTable(name = "Admin_Rules",
joinColumns = @loinColumn(name = "Admin_Id"),
inverseJoinColumns = @loinColumn(name = "Rule_Id"))
private SetCUserRule> roles = new MashSetC>();
              J AilminController java
                                                         34
               J. CourseControllei Java
               | StudentController.jeva
                                                         36
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38
               > payload
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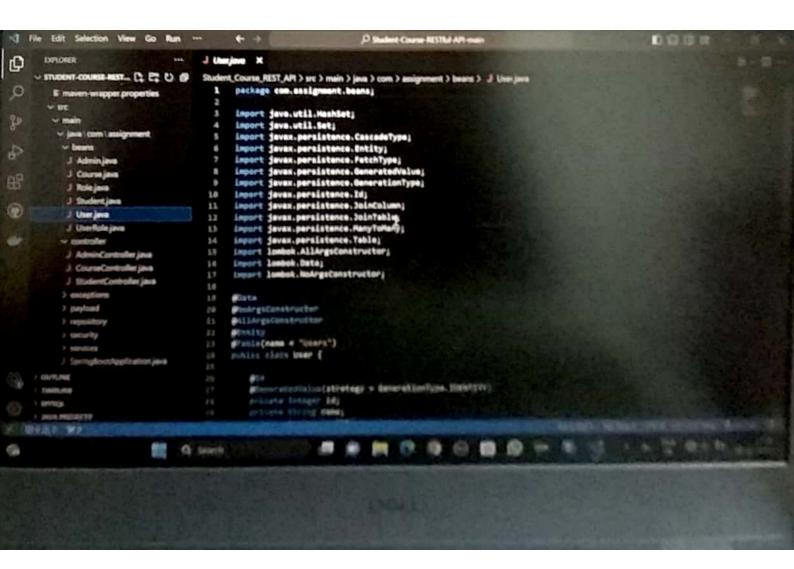




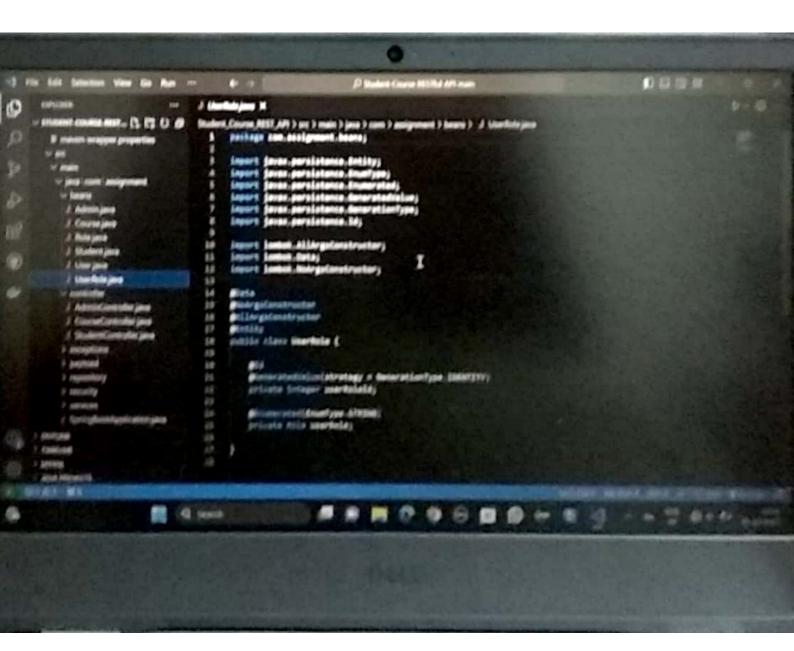
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                                          Student_Course_REST_API > src > main > java > com > assignment > beans > J Student.java
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                                           22
                                                MoArgsConstructor
         E maven wrapper properties
                                                MilArgsConstructor
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        ₩ 500
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                                                Entity
         ∨ main
                                           25
                                                 public class Student {

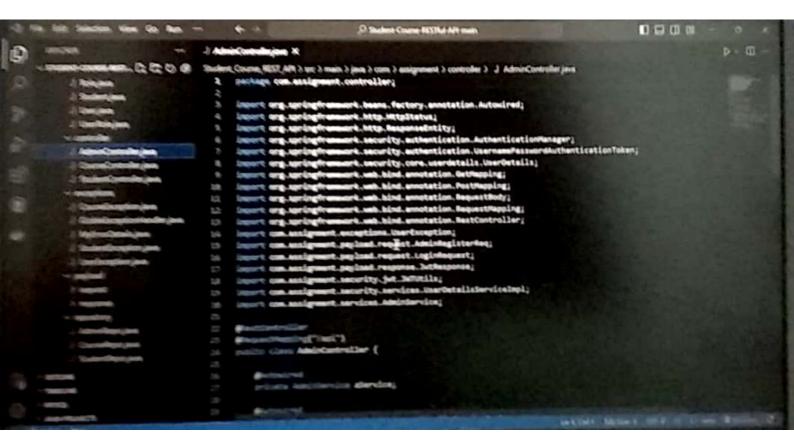
y java \ com\ assignment

                                           26
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                                                     DisonIgnore
                                                    @Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
                                           28
            J Adminjava
                                           29
            J Coursejava
                                           30
                                                     private Integer roll;
             J Rolejava
                                                    private String name;
private String address;
private String amailed;
                                           31
             J Studentjava
                                           32
1
            J User java
                                           33
                                           34
                                                    private String password;
                                                    36
             J AdminController.lava
                                           38
                                                    inverseJoinColumns = @JoinColumn(name = "Role Id"))
                                                    private Set(UserRole> roles = new HashSet());
                                           40
                                                   @Georignorq
@ManyToMany(cascade = CascadeType.ALL, mappedBy = "students")
private ListCourse> courses = new ArrayList(O())
      > MESSAL
                                                                  # # # @ @ @ B B & # 1 ~ # # @ 0 D
                               Q Search
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                      J that
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BO CHAT TIME
                             t_Course_REST_API > src > main > java > com > assignment > beans > _J_ User_java
                              MoArgsConstructor
AllArgsConstructor
                        21
                              (Entity
(Table(name = "Users")
                        2
                        23
                              public class User (
                        25
                        2 5
                        Я
                        2
                                   private String man
                        39 11
                                                                             1
                        33.3
                                                          CascadeType.ALL, fetch = FetchType.EAGER)
ar_Moles",
                                   jeinfoluma = (Ininfolumn(name = "Uner_Ed"),
imperatoinfoluma = (Ininfolumn(name = "Role_Ed"))
private lettimerRolet roles = new Nuchfort()();
                         38
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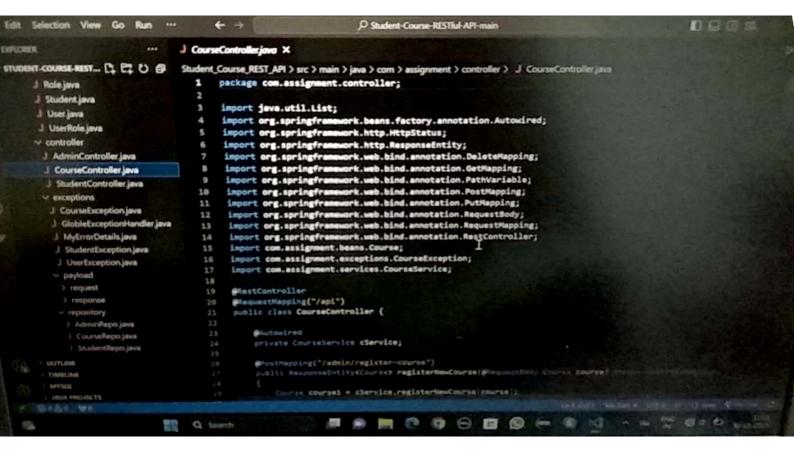




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e Edit Selection View Go Run ··· ← →
                                                                             O Student-Course-RESTful-API-main
                                       J AdminController.java X
 EXPLORER

    Student_Course_REST_API > src > main > java > com > assignment > controller > J AdminController java

       J Rolejava
                                        24
                                               public class AdminController (
       J Student.java
                                        25
       J User.java
                                        26
                                                   Cautowired
                                        27
                                                   private AdminService aService;
       J UserRole.java
                                        28
       ~ controller
                                        29
                                                  Autowired
        J AdminController.java
                                        30
                                                  private UserDetailsServiceImpl userDetailsServiceImpl;
       J CourseController.java
                                        31
        J StudentController.java
                                        32
                                                  Cautowired
                                        33
                                                  private AuthenticationManager authenticationManager;
       exceptions
                                        34
         J CourseException.java
                                                 CAutowired
         J GlobleExceptionHandler.java
                                        36
                                                 private JWTUtils jwtUtils;
         J MyErrorDetails.java
                                        37
                                                                                        I
         J StudentException java
                                                 @PostMapping("/ragister-admin")
public ResponseEntity(String) registerNewAdmin(@RequestSody AdminRegisterNew Admin)
                                        38
         J UserException.java
        ~ payload
         > request
                                                    String message = aService.registerNewAdmin(admin);
          > response
         ~ repository
                                                    return new ResponseEntity<String>(message, HttpStatus.ACCEPTED);
          J AdminRepojava
          J CourseRepo.java
                                                @PostMapping("/admin/login-admin")
public ResponseEntity(>> adminLogIn(@Request@ady LoginRequest loginDetails)
          J. StudentRepojava
    OUTLINE TIMELINE
                                                   authenticationManager.authenticate(
new UsernamePasswordAuthenticationToken(loginDetails.getEmailis.), log
                                                            Gis.
                            Q Search
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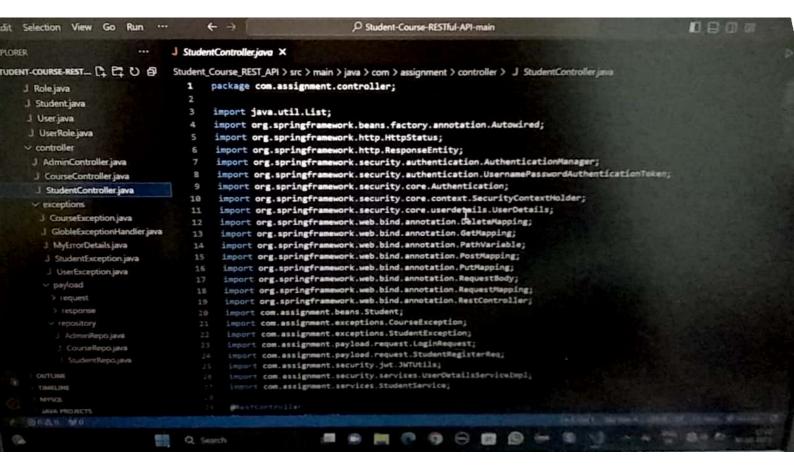
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                                                                             O Student Course-RESTful API main
OFFICRER

J CourseController,java 

X
                                      Student_Course_REST_API > src > main > java > com > assignment > controller > J CourseController java
27 public ResponseEntity<Course> registerNewCourse(@RequestBody Course course) to
STUDENT-COURSE-REST... C. C. C. O
     J Role java
     J Student java
                                        28
      J Userjava
                                         29
                                                        Course coursel = cService.registerNewCourse(course);
                                         30
      J UserRole java
                                         31
                                                         return new ResponseEntity(Course)(course), HttpStatus.ACCEPTED);
                                         32
      J AdminController.java
                                         33
       J CourseController.java
                                                    @PutMapping("/admin/update-course")
public ResponseEntity(Course) updateCourse(@RequestBody Course course) through
                                         34
       J StudentController.java
                                          35
                                          36
       ~ exceptions
                                          37
                                                         Course course1 = cService.updateCourse(course);
        J CourseException java
                                          38
        J GlobleExceptionHandler java
                                          39
                                                         return new ResponseEntity (Course) (course), HttpStatus. ACCEPTED);
         J MyErrorDetails.java
                                          40
         J StudentException.java
         J UserException.java
                                                     (CourseId)")
                                                     @DeleteMapping("/admin/delete-course/(courseId)")
public ResponseEntity(String> deleteCourse(@PathVariable("courseId") integer courseId
         payload
          > request
                                                          cService.deleteCourse(courseId);
          ) response
          ~ repository
                                                          return new ResponseEntity<String>("Course deleted...", HttpStatus.OC);
           .l. AdminRepo Java

    CourseRepojava

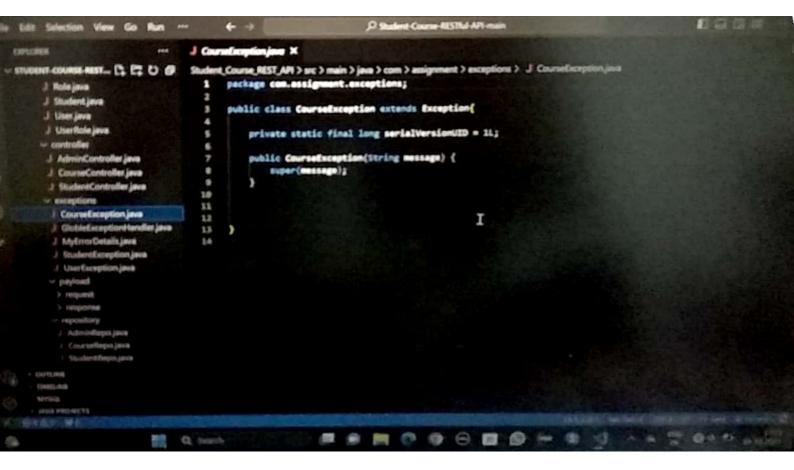
             StudentRepo java
                                                      @GetHapping("/all-courses")
                                                      public Responseintity(List(Course>> viewAllCourses() 19
       TIMES INC.
                                                           ListeCourse> courses = cService.viewAllCourses();
                                                                       Search
```



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File Edit Selection View Go Run ...
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                                                                    P Student-Course RESTful API main
   DOLORER.
                                    STUDENT-COURSE-REST... C. C. C. O
                                    Student_Course_REST_API > src > main > java > com > assignment > controller > J StudentController.java
       J Rolejava
                                          RestController
                                          @RequestMapping("/api")
public class StudentController {
       J Student.java
                                     30
                                     31
       J Userjava
                                     32
                                               Bautowired
       ~ controller
                                      34
                                              private StudentService sService;
        J AdminController Java
                                                                          1
        J CourseController.java
                                     36
                                               Autowired
                                              private UserDetailsServiceImpl userDetailsServiceImpl;
         J StudentController java
                                     37
                                      38
                                     39
                                               BAutowired
        J CourseException.java
                                               private AuthenticationManager authenticationManager;
                                      40
         J GlobleExceptionHandler java
                                     41
                                               Autowired
         J StudentException.java
                                               private JWTUtils jututils;
                                     43
         J UserException.java
                                              PostMapping("/student/register-student")
         payload
                                               public ResponseEntity (String) registerNewStudent (@TequestRos) Stude-traggister-ded atudentRes
          > response
                                                  String message = sService.registerNewStudent(studentReq);
                                                  return new ResponseEntity(String)(message, HttpStatus.ACCEPTED);
          .) CourseRepojeva
                                              @"ostmapping("/student/login-student")
                                               public ResponseEntity(?> loginStudent(@HequastDany LoginRepublic loginDetalls)
      THASLING
                                                  Authoritiation authentication = authenticationManager
                                                      authenticate -- DeermaneRespuendAuthentingticeTobustingsnorthis cutingities; ingen
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```



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O Student Course RESTLA AVI main
                                              Student Course REST API > src > main > java > com > assignment > controller > J StudentController, available (available property of the public ResponseEntity (String) deleteStudent(@PathVariable("roll") Integer roll)
- STUDENT-COURSE-MIST... [] ET O @
        J Rolejava
        J. Studentjava
                                                78
         J Uterjava
                                                                 sService.deleteStudent(roll);
                                                                 return new ResponseEntity4String>("Student deleted...", HttpStatus.CK:;
                                               81
                                               82
                                              83
84
85
                                                           #GetMapping("/admin/all-students")
public ResponseEntity(List(Student>) viewAllStudents() the
                                              85
87
89
                                                                ListeStudent> students = sService.viewLllStudents();
                                                               return new ResponseEntify=ListCitudent>>(students, HttpStatus.FOLNO);
                                                              Doring message a stervice.addStudentFoCourse|courseld, roll;
                                                                        # # # 6 6 6 6 6 6
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J GlobleExceptionHandler.java 

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STUDENT-COURSE-REST... C. C. C. O
                                          Student_Course_REST_API > src > main > java > com > assignment > exceptions > J GlobleExceptionHandler java
        J Rolejava
                                                    package com.assignment.exceptions;
import java.time.LocalDateTime;
                                               2
        J Student.java
        J Userjava
                                                    import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.HethodArgumentNotVelidException;
         J UserRole.java
        ~ controller
                                                     import org.springframework.web.bind.annotation.ControllerAdvice;
import org.springframework.web.bind.annotation.ExceptionHandler;
          J AdminController.java
          J CourseController.java
                                                      import org.springframework.web.context.request.WebRequest;
           J StudentController.java
                                                10
          ~ exceptions
                                                      @ControllerAdvice
          J CourseException java
                                                      public class GlobleExceptionHandler {
            J GlobleExceptionHandler.java
                                                            @ExceptionHandler(MethodArgumentNotValidException.class)
                                                            public ResponseEntityONyErrorOctails> otherExceptionHandler(Nathodarg
             J StudentException.java
             J User Exception Java
                                                                 MyErrorDatails error = new MyErrorDatails();
error.setTimestamp(LocalDateTime.now());
error.setMessage("Validation failed...");

    □ payload

                                                                                                                              I
               > request
                                                  19
20
               > response
                                                                  error.setDetails(manve.getBindingResult().getFieldError().getDefaultRessage());
               ~ repository
                                                                  return new ResponseEntity(MyErrorDetails>(error, MttpStatus.NDT_ACCEPTABLE);
                J AdminRepojeva
                 J CourseRepo java
                 J StudentRepojava
                                                               @ExceptionHandler(UserException.elass)
                                                               public ResponseEntityChyErrorDetails> otherExceptionHandler
                                                                   MytemerCotails error p new MyErrorOctails[3]
                                                                                Q Search
```

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O Student-Course-RESTful-API main
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                                      J GlobleExceptionHandler.java X
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 STUDENT-COURSE-REST_ [] ET U @
                                      Student_Course_REST_API > src > main > java > com > assignment > exceptions > J GlobleExceptionHandler java
        J. Role java
                                        29
                                                      MyErrorDetails error = new MyErrorDetails();
         J Studentjava
                                                      error.setTimestamp(LocalDeteTime.now());
error.setMessage(ue.getMessage());
error.setDetails(wReq.getDescription(false));
                                        30
         J Userjava
                                        31
         J UserRole Java
                                        32
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                                        34
                                                      return new ResponseEntityOMyErrorDetails>(error, HttpStatus.BAD_REQUEST);
         J AdminController java
                                        35
         J CourseController java
                                        36
         J StudentController java
                                         37

    exceptions

                                         38
                                                   @ExceptionMandler(StudentException.class)
                                                   public ResponseEntityCMyErrorOstails> otherExceptionHandler(StudentException pe,
         J CourseException.jeva
                                         39
         ) GlobleExceptionHandlerjava
                                        40
                                         41
                                                       MyErrorDetails error = new MyErrorDetails();
         J MyErrorDetails.jeva
                                         43
                                                       error.setTimestamp(LocalDateTime.now());
          J StudentException java
                                         43
                                                       error.setMessage(pe.getMessage());
          J. UserException.java
                                                       error.setDetails(wReq.getDescription(false));
                                         44
         payload
          7 request
                                                       return new ResponseEntityCHyErrorDetails>(error, HttpStatus, BAD_REQUEST);
          ) response
          J. AdminRepp Java
                                                   @Exceptionmandler(Coursetxception, class)
          J. Соития Рего јека
                                                   public ResponseEntity@yErrorDstmili> otherExceptionHandler(C
                                                       HytrorDetails error = new HytrorDetails[];
     CHILINE
                                                       error.setTimestamp(LocalDateTime(now()))
                                                       arror.setMessage(ce.gatMessage());
                                                        error, setDetails(wReq.getDescription(**);=1);
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                                                                       error.setTimestamp(LocalDateTime.now());
error.setDessage(ce.getDessage());
error.setDetails(wMeq.getDescription(false));
                                                     55
           J Studentjava
                                                     56
           J Userjava
                                                     57
                                                     58
                                                                        return new ResponseEntityClyErrorDetails>(error, HttpStatus Ent HERE
                                                     59
                                                     60
                                                                  @ExceptionHandler(Exception.class)
public ResponseEntity(MyErrorOctails) otherException
                                                      2
                                                                        MytrorDetails error = new MytrorDetails();
error.setTimestamp(LocalDeteTime.now());
error.setDetails(wheq.getDescription(*also));
error.setDetails(wheq.getDescription(*also));
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     ✓ STUDENT-COURSE-REST... C. C. C. D. Student Course REST_API > src > main > java > com > assignment > exceptions > J. MyErrorDetails.java
            J Rolejava
J Studentjava
o
                                                   package com.assignment.exceptions;
            J Userjava
z,
                                                  import java.time.LocalDateTime;
            J UserRole java
            ~ controller
                                                   public class MyErrorDetails (
             J AdminController java
             J CourseController.java
                                                       private LocalDateTimo timestamp;
                                                       private String massage;
             J StudentController java
                                                       private String details;
                                             10
◍
             J CourseException.jeva
                                                       public MyErrorDetails() (
// TODO Auto-generated constructor stub
                                             12
             J GlobleExceptionHandler java
                                             13
             MyErrorDetails.jeva
                                              15
             J StudentException jeva
                                                        public MytrrorDetails(LocalDeteTime timestamp, String message, Wring details) (
                                             16
17
             J UserException java
            ~ payload
                                                            this.timestamp = timestamp;
this.message = message;
this.details = details;
                                             18
              ) request
              > response
                                              20
21
              J Admirdepojeva
                                                        public LocalDateTime getTimestamp() {
              J CourseRepo,java
                                                            return timestamp;
> OUTLINE
> TIMELINE
                                                        public onld setTimestamp(incelDateTime timestamp) (
                                                            this.timestamp * timestamp;
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                                           Student_Course_REST_API > src > main > java > com > assignment > exceptions > J MyErrorDetails.java
      V STUDENT-COURSE-REST. C. C. C. O
                                            21
             J Rolejava
                                            22
             J Student java
                                                      public LocalDateTime getTimestamp() {
                                            23
             J User java
80
                                            24
                                                          return timestamp;
             J UserRole java
                                            25
            ~ controller
                                                     public void setTimestamp(LocalDateTime timestamp) {
   this.timestamp = timestamp;
                                            27
             J AdminController java
                                           28
             J CourseController.java
田
                                           29
             J StudentController.java
                                           30
            ~ exceptions
                                                     public String getMessage() {
.
            J CourseException.java
                                                         return message;
            J GlobleExceptionHandler.java
                                           34
            J MyError Details java
                                                    public void setMessage(String message) {
             J StudentException.java
                                                                                                                    I
                                                        this.message - message;
            J UserException.java

    ✓ payload

            > request
                                                   public String getDetails() (
            ~ repository
            J AdminRepo java
                                                   public void setDetails(String details) (
            J CourseRepojava
                                                       this.details = details;
             .) StudentRepojava
      J JAVA PROJECTS
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                                                                                                                                           000
                                  Q Sewich
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