CS434

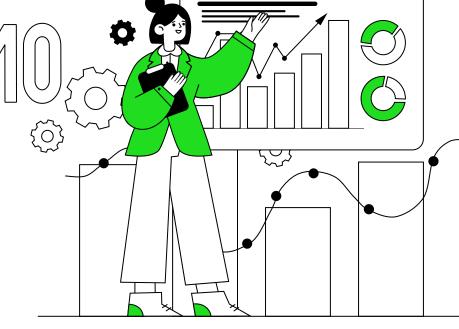


PROJECT DEMO

EXAM PORTAL

Group Members:

Yasemin Orhun Yiğit İstanbullu Zeliha Aydın



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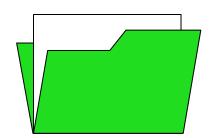


WHAT WE HAVE IN OUR EXAM PORTAL?

FEATURES

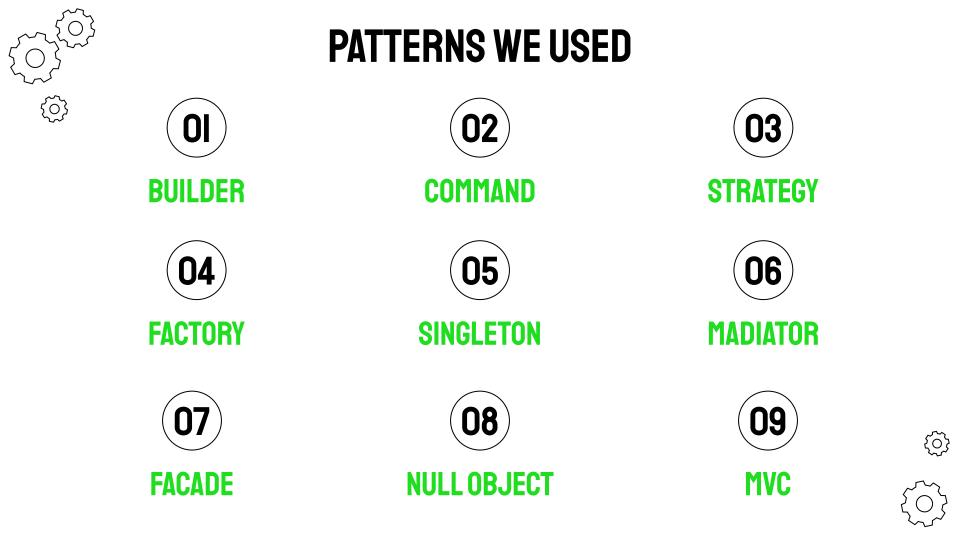
- 1. Login
- 2. Register
- 3. For Teachers:
 - a. Create Exam
 - b. Edit Exam
 - c. Grade Exam for attendees
- 4. For Students:
 - a. View and Attend Exams
 - b. Review Exam













OI BUILDER

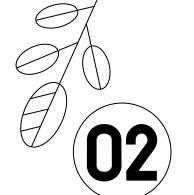
```
public class TextQuestion extends JPanel implements

public int questionId;
public int examId;
public int userType;
public int userId;
public String questionNumber;

public TextQuestion (Builder builder) {
    this.questionId =builder.questionId;
    this.examId =builder.examId;
    this.userType = builder.userType;
    this.userId = builder.userId;
    this.questionNumber = builder.questionNumber
    initComponents();
```

```
public Builder withQuestionNumber(String questionNumber) {
    this.questionNumber = questionNumber;
    return this;
}
```

```
.withQuestionNumber(String.valueOf(i+1)).withUserType(getUserType()).build();
```



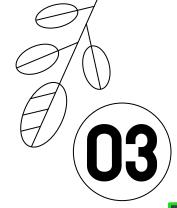
COMMAND



- EditMultipleChoiceQuestionFrame
- EditMultipleChoiceQuestionFrame.jfd
- EditMultipleSelectionQuestionFrame
- EditMultipleSelectionQuestionFrame.jfd
- EditQuestionCommand
- EditTextQuestionFrame
- EditTextQuestionFrame.jfd
- EditTrueFalseQuestionFrame

EditQuestionCommand frame = new EditTextQuestionFrame(getExamId(),SelectedQuestionId);
frame.edit();

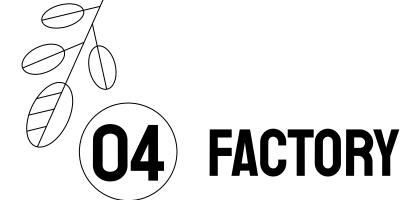




STRATEGY

- Question
- QuestionTypeBehavior.java
 - GapFillingQuestionBehavior
 - MultipleChoiceQuestionBehavior
 - MultipleSelectionQuestionBehavior
 - QuestionTypeBehavior
 - TextQuestionBehavior
 - TrueFalseQuestionBehavior

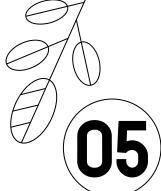






```
    ▼ QuestionController
    ▼ ► Factory
    ⑤ GapFillingQuestionFactory
    ⑥ MultipleChoiceQuestionFactory
    ⑥ MultipleSelectionQuestionFactory
    ⑥ QuestionFactory
    ⑥ TextQuestionFactory
    ⑥ TrueFalseQuestionFactory
    ⑥ Question
```

```
public void createQuestion(){
    getFactory().addQuestion(getQuest)
}
```



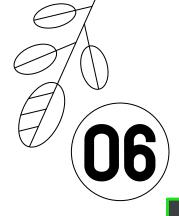
SINGLETON

```
package Controller.UserController;

public class Password {
    private static String key;
    private final static Password instance = new Password(key);

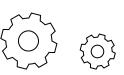
public Password(String str) { this.key = str; }

public static String getKey() { return key; }
```

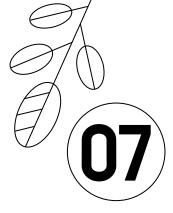


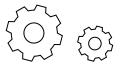
MADIATOR

- ▼ La UserController
 - Instructor
 - Mediator
 - MediatorImp
 - Password
 - Student
 - (User







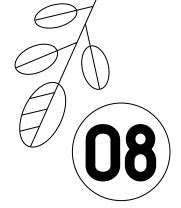


FACADE

- ▼ **D** View

 - ▼ **ExamQuestions**
 - GapFillingQuestion
 - GapFillingQuestion.jfd
 - MultipleQuestion
 - MultipleQuestion.jfd
 - MultipleSelection
 - **55** MultipleSelection.jfd
 - Question
 - QuestionFacade
 - QuestionMaker
 - QuestionsPage
 - QuestionsPage.jfd
 - TextQuestion
 - TextQuestion.jfd
 - TrueFalseQuestion
 - TrueFalseQuestion.jfd

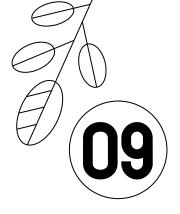
```
public QuestionMaker(int questionID, int userID) {
    gapFilling = new GapFillingQuestion(builderGap);
    multipleChoice = new MultipleQuestion(builderMultiple);
    multipleSelection = new MultipleSelection(builderSelection):
    text = new TextOuestion(builderText);
    trueFalse = new TrueFalseQuestion(builderTrueFalse);
    this.questionID = questionID;
    this.userID = userID;
public void createGapFilling(){
    gapFilling.disableGradeFieldForStudent();
    gapFilling.removeGradeForExamination();
    gapFilling.setAnswerForReview(questionID, userID);
    gapFilling.setComponents(questionID);
public void createMultipleQuestion(){
    gapFilling.disableGradeFieldForStudent();
    gapFilling.removeGradeForExamination();
    gapFilling.setAnswerForReview(questionID, userID);
    gapFilling.setComponents(questionID);
public void createMultipleSelection(){
    gapFilling.disableGradeFieldForStudent();
    gapFilling.removeGradeForExamination();
    gapFilling.setAnswerForReview(questionID, userID);
    gapFilling.setComponents(questionID);
public void createText(){
    gapFilling.disableGradeFieldForStudent();
    gapFilling.removeGradeForExamination();
    gapFilling.setAnswerForReview(questionID, userID);
    gapFilling.setComponents(questionID);
```



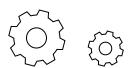




- **▼ Controller**
 - - Exam
 - Examination
 - NullExam
 - User_Exam







- ▼ CS534 ~/Desktop/School/CS534
 - ▶ **■** .idea
 - ▼ **I**src
 - ▼ **I** main
 - ▼ iava
 - ▶ ☐ Controller
 - ▶ **Model**



THANKS!

TIME FOR

