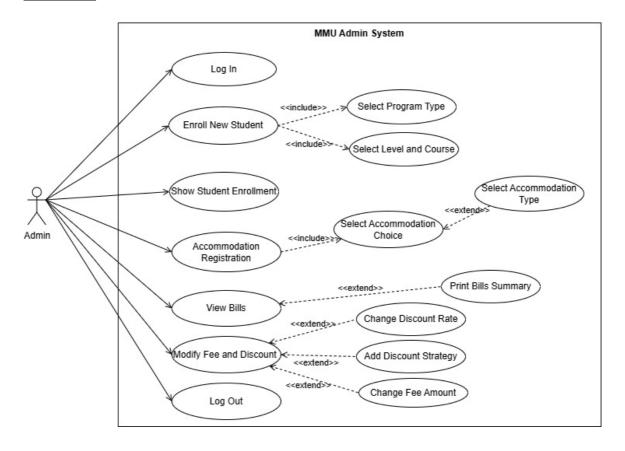
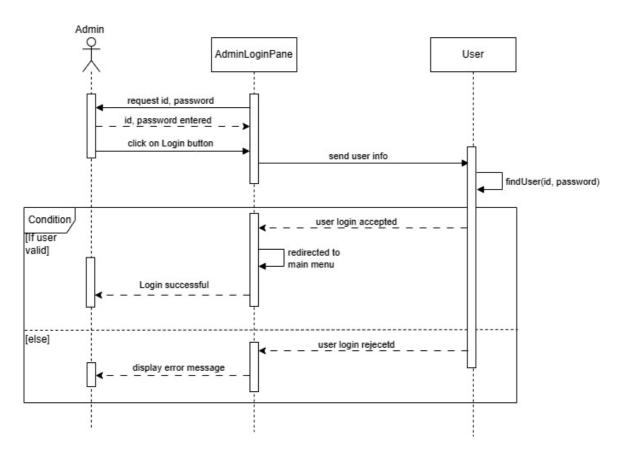
Use Case



Class Diagram SystemFacade narentFrame: JFrame SystemFacade(parentFrame: JFrame) SystemFacade(parentFrame: JFrame: JFrame: handleEhrollemnt(): void handleShowEnrollemnt(): void handleAccommodatlon(): void handleAccommodatlon(): void handleAccommodatlon(): void handleDiscountStrategy(): void handleDiscountStrategy(): void switchToPane(pane: JPanel): void switchToPane(pane: JPanel): void handleLogout(): void handleAccommodation(): void handleBiscountStrategy(): void handleBiscountStrategy(Client AdminLoginPane AdminDiscountStrategyPane Admin ShowBillPanel AdminAccommodation Sysyem - accommodation Panel: Planel - button Group - button Group - yeak-commodation Button - If Addie Button - noAccommodation Button - If Addie Button - noAccommodation Button - If Addie Button - button Panel: Planel - If Addie Button - accommodation Type Button Fung. Planel - accommodation - Button - accommodation - Button - studentiDFeled_TeoField - studentiDFeled_TeoField - contactFeled_TeoField - contactFeled_TeoField - contactFeled_TeoField - studentiDeoField_TeoField - studentiDeoField_TeoField_TeoField - studentiDeoField_Te studentIDField: JTextField studentEnrollmentPanel: JPanel mainDanal: IDanal userIDEield: ITeytEield studentEnrollmentPanel: JPane mainPanel: JPanel studentIDField: JTextField submitIDButton: JButton backButton: JButton studentubmitBackPanel: JPanel mainPanet. JPanel strategySelctionPanet. JPanel discountModificationPanet. JPanel changeDiscountRateButton: JRadioButton addDiscountStrategyButton: JRadioButton backButton: JButton strategyButtonGroup ButtonGroup currentDiscountStrategy: JComboBox<String> + AdminBillingPanel(parentFrame: JFrame, facade: SystemFacade) - billShow(studentName: String, studentID: String, enroliStatus: String, courseNames: List<String>, courseCosts: List<String>, feeType: List<String>, feeName: List<String>, feeCost: List<String>, + AdminLoginPane(parentFrame: JFrame, facade: SystemFacade) - handleLogin(): void - resetField() + AdminViewStudentEnrollmentSystem(parentFrame: JFrame facade: SystemFacade) - displayEnrollmentDetails(studentID: String): void vold - createCoursePanel(ype: String, courseName: String, cost: String): - AdminDiscountStrategyPanel(parentFrame: JFrame, facade: JPanel - feeDetails(studentID: String): void - addCurrentDiscountStrategyJCombobox(); void - addCurrentFeeNameJCombobox(); void getOption(); List<String> mainPanel: JPanel mainScrollPane: JScrollPane + AdminAccommodationSystem(parentFrame: JFrame, facade: SystemFacade) - getAccommodationImage(accommodationName: String): String - getScaledImage(imagePath: String, width: int, height: int): Image selectedLevels: List<String> studentID: String + AdminEnrollmentPane(parentFrame, Brande, Bradde, SystemFacade) - toggleSubjectPane(Visibility): void - toggleSubjectPane(Visibility): void - add, babeAndr Belgame; JPanel, glc. GrdBagConstraints, labelText. String, textFaled, TrackText yPox, int. yTextFaled - textFaled, TrackText yPox, int. yTextFaled - textFaled, TrackText yPox, and yTextFaled - setState_programSelection(); void password: String users: Map<String, User> Enroll students: List<Student> User(userID: String, password: String) getUserID() getPassword() loadUserFromFile() readStudentsFromFile():List<Student> writeStudentToFile(name. String, id. String);void updateStudentFile(id: String, type. String);void findUser(userID: String, password: String): User - enrollSelectedCourse(selectedCourse; Course); void - submitRegistration(); void Student name:String - student: Student - fees: List<Fee> = readFeesFromFile(); - totalAmount: double - accommodation: boolean - id:String - programType: String - courseEnrolled: List<Course> Course ccommodationType: String isMandatory: hoolean Student(name: String, ld: String) Student(name: String, ld: String, courseEnrolled: List<Course Student(name: String, id: String, programType: String, coursesEnrolled: List<Course>) **Billing(student: Student, IotalAmount: double) **Billing(student: Student, IotalAmount: double) **Billing(name: String, id String, accommodation: boolean, accommodationType: String) **getStudent(); Student **getStudent(); Student **getTealAmount(); double **getTealAmount(); double *getAccommodation(); Boolean *getAccommodation(); String **read-setTromTitle(); List's Feez **getAccommodationType(); String **read-setTromTitle(); List's Feez **string(); String **string(); String(); St Course(level: int, type: String, name: String, fee: double) Course(name: String) - goldName(); String - goldName(courses_frolled: List<Course>) + getName(): String + getId(): String + getFrogramType(): String + getCourse> + getStudentFromFile(id: String): Student Fee(isMandatory: boolean, type: String, name: String, amount: double) + getType(): String + getName(): String + getAmount(): double - getAmount(); double - isMandator(); boolean - toCSVString(); String - getAccommodation(); List-fee> - getAccommodation(); List-fsiting> - getAccommodation(); List-fsiting> - modif-feeAmountfamount(string, feeName; String); double - readFeeAmountFromFile(feeName; String); double + clearCurrentEnrolledCourse(id: String); void + storePastEnrollmentCourse(id: String); void + toCSVString(): String

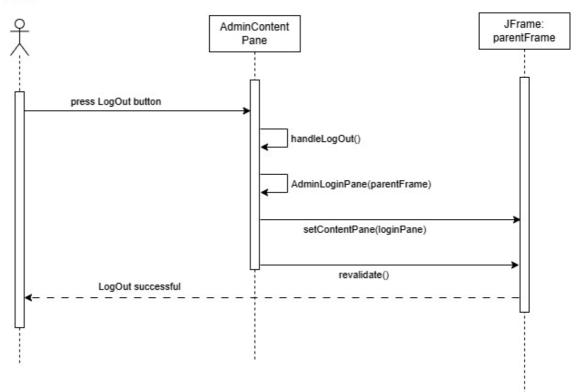
Sequence Diagram

Log In

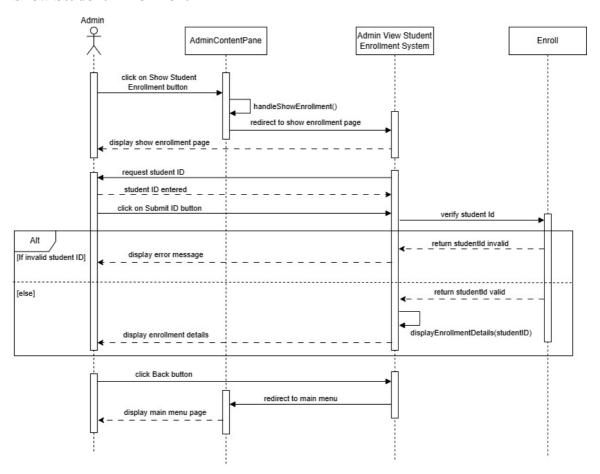


Log Out

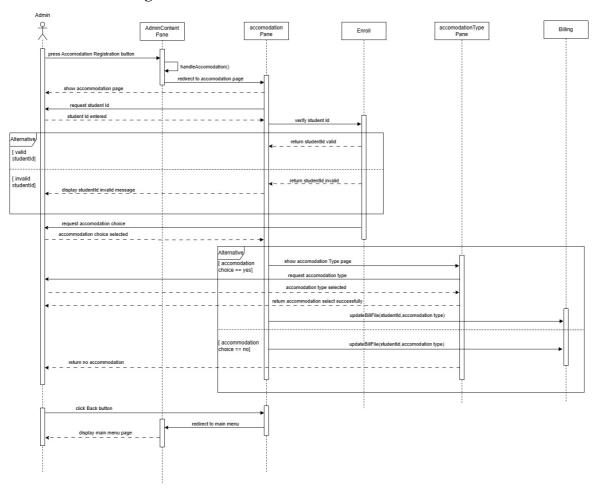




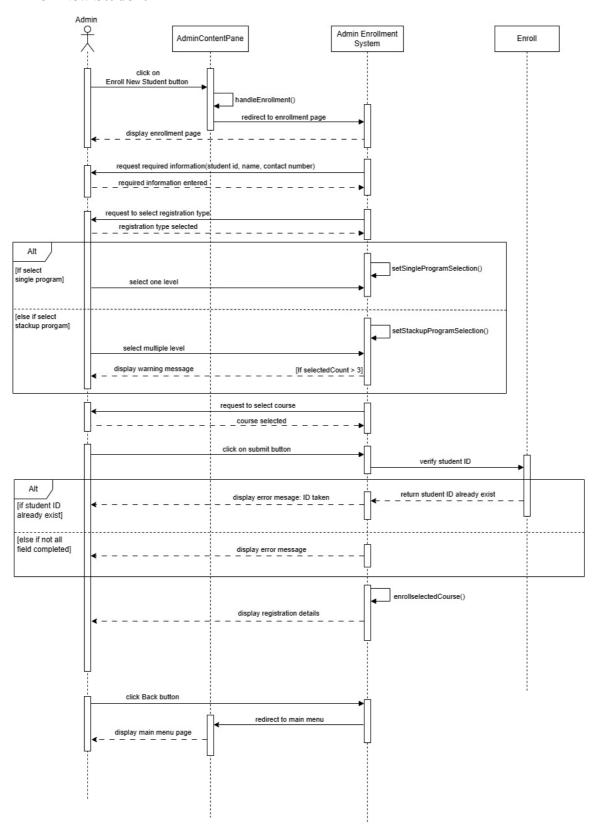
Show Student Enrollment



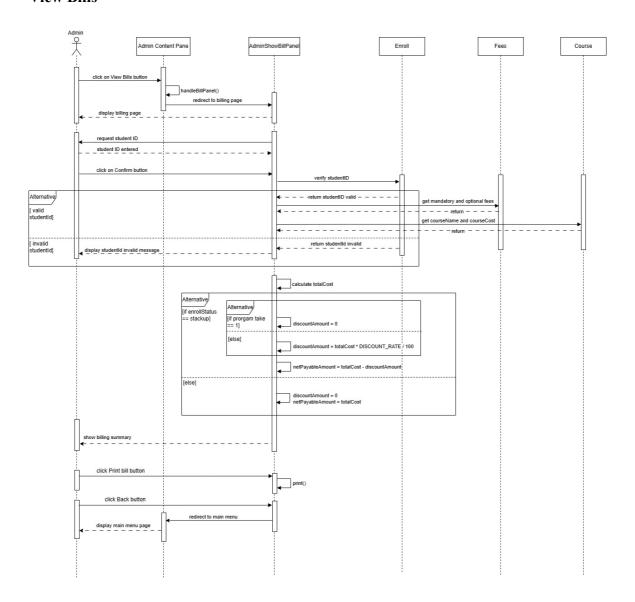
Accommodation Registration



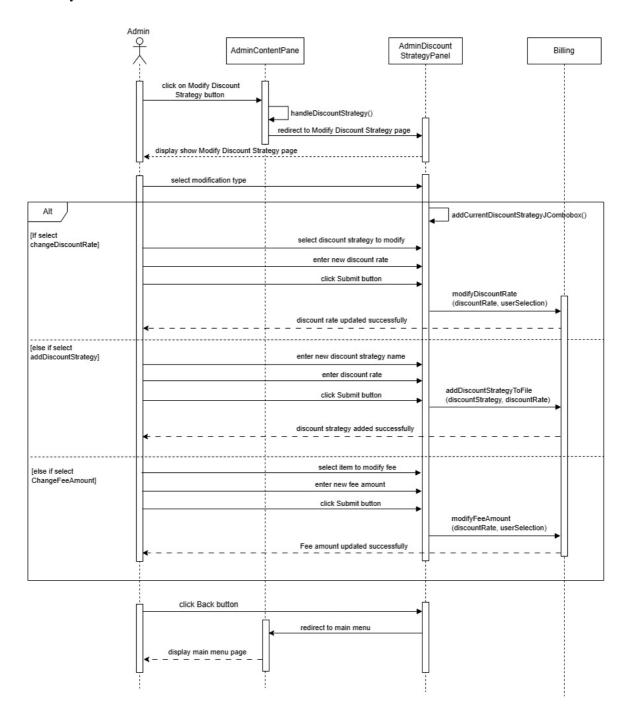
Enroll New Student



View Bills



Modify Fee & Discount



Façade: Admin Content Pane

