

businessLogic::PersistenceInterface
#ms: ManagementSystem
+PersistenceInterface(): ctor +setUp(String username, String password): void +getAccount(String username): Account +setAccount(String role, String name, String username, String password): void +usernameChecker(String username): boolean +passwordChecker(String username, String password): boolean

presentation::SQLloginPage
-SQLloginPanel: JPanel -leftPanel: JPanel -rightPanel: JPanel -logoLabel: JLabel -welcomeLabel: JLabel -usernameLabel: JLabel -passwordLabel: JLabel -instructionsLabel: JLabel -userNameField: JTextField -passwordField: JPasswordField -loginButton: JButton
+SQLloginPage(): ctor +initialize(): void +getPanel(): JPanel

presentation::UserDashBoard
-userDashBoardPanel: JPanel -dashboardLabel: JLabel -userInfoLabel: JLabel -requestPointsLabel: JLabel -nameLabel: JLabel -usernameLabel: JLabel -userIdLabel: JLabel -balanceLabel: JLabel -pointAmountLabel: JLabel -redeemRewardsLabel: JLabel -pointAmountTextField: JTextField -requestPointsButton: JButton -redeemRewardButton: JButton -rewardsDropDownMenu: JComboBox
+UserDashBoard(): ctor +initialize(): void +getPanel(): JPanel

presentation::SignUpPage
-signUpPanel: JPanel -leftPanel: JPanel -rightPanel: JPanel -logoLabel: JLabel -welcomeLabel: JLabel -fullNameLabel: JLabel -usernameLabel: JLabel -passwordLabel: JLabel -loginLabel: JLabel -fullNameField: JTextField -userNameField: JTextField -passwordField: JPasswordField -signUpButton: JButton -loginButton: JButton
+SignUpPage(): ctor +initialize(): void +getPanel(): JPanel

presentation::AdminDashBoard
-adminDashBoardPanel: JPanel -dashboardLabel: JLabel -sendPointsLabel: JLabel -rewardsLabel: JLabel -pointRecieverLabel: JLabel -pointAmountLabel: JLabel -requestsLabel: JLabel -pointRecieverUsernameTextField: JTextField -amountOfPointsTextField: JTextField -sendPointButton: JButton -acceptRequestButton: JButton -denyRequestButton: JButton -requestsDropdown: JComboBox
+AdminDashBoard(): ctor +initialize(): void +getPanel(): JPanel

presentation::LoginPage
-loginPanel: JPanel -leftPanel: JPanel -rightPanel: JPanel -logoLabel: JLabel -welcomeLabel: JLabel -usernameLabel: JLabel -passwordLabel: JLabel -signUpLabel: JLabel -userNameField: JTextField -passwordField: JPasswordField -loginButton: JButton -signUpButton: JButton
+LoginPage(): ctor +initialize(): void +getPanel(): JPanel

presentation::ForgotPasswordPage
-forgotPasswordPanel: JPanel -leftPanel: JPanel -RightPanel: JPanel -userNameField: JTextField -passwordField: JPasswordField
+ForgotPasswordPage(): ctor +initialize(): void +getPanel(): JPanel

presentation::Launcher
+main(String[] args): void

businessLogic::Account
#role: String -name: String -username: String -password: String -id: int -idCounter = 3: int -ms = new ManagementSystem(): ManagementSystem
+Account(): ctor +Account(String role, String name, String username, String password): ctor +createAccount(String role, String name, String username, String password): Account +getRole(): String +setRole(String role): void +getName(): String +setName(String name): void +getUsername(): String +setUsername(String username): void +getPassword(): String +setPassword(String password): void +getId(): int

database::DBInterface
-connection: Connection -driver = "com.mysql.cj.jdbc.Driver": String -address = "jdbc:mysql://localhost:3306/RMSDatabase?createDatabaseIfNotExist=true": String
+DBInterface(): ctor +getConnection(String username, String password): void +createTables(): void +addTestAccounts(): void +retriveAccount(String username): ResultSet +addAccount(String role, String name, String username, String password, int userID): void

persistence::ManagementSystem
-dbInterface: DBInterface
+ManagementSystem(): ctor +createDB(String username, String password): void +getAccount(String username): Account +setAccount(String role, String name, String username, String password, int userID): void

presentation::MainFrame
#frame = new JFrame(): JFrame -logo: ImageIcon
+MainFrame(): ctor +initialize(): void