Use case diagram and description

Movie ticket booking system, Project 2 Part 1

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# Login case

## {input info}

1. User inputs their registered email and password.

## {input validation}

1. The information will be validated.

## {login successful}

1. A toast is prompted telling the user that the login was successful.
2. The user will be redirected to the book ticket intent.

# Login case error, alternative flow and exception handling

## {input info}

1. If the user cancels the login process they are returned to the start intent of the app.

## {input validation}

1. If the password or email is incorrect on submission, the user will be prompted with a toast telling the user that email or password is not correct.
2. If more than 5 login attempts have failed on an email that is in the system, the user will be prompt that there has been sent an email to them with a password reset link.

# Create account case

## {Input info}

1. User inputs information in corresponding input fields and submits the form:  
   First name, Last name, birthdate, email, password, phone number and payment information.

## {validation}

1. Birthdate is validated to check if the user is the right age.
2. Email is validated, checks if the email is not in the system already.
3. Password is validated, checks if it meets all the set requirements.
4. System sends the card information to the bank computer to confirm that the card is valid and active

## {signup successful}

1. If all requirements are met, the user is prompt with a toast telling them that the signup was successful.
2. The database will update with the user information.
3. The user is redirected to the login intent.

# Signup case error, alternative flow and exception handling

## {input info}

1. If the user cancels the signup prosses, they will be returned to the start intent of the application.

## {input validation}

1. The user is not old. If the user is not over the set age, they will be prompt in a message that they are not old enough.
2. if the email is already in the system, the user will be prompt with a toast saying that the email is already in the system.
3. If the password does not meet the requirements for uppercase letters, numbers and special characters they will be prompted with a toast saying that the password has to meet the set requirements.
4. If the payment information is invalid the user will be prompt with an error telling the user that the payment information is not correct and asked to try again.

# Book ticket

## {select movie}

1. User is prompted with a list of movies to select from.
2. User selects a movie and is prompted to the select screening time intent.

## {Select screening}

1. User is shown a calendar for the current month with marked areas with days when the chosen movie is screening.
2. When clicking on a day, the user is shown at what hours the movie is screening.
3. User clicks on a screening hour
4. User is redirected to new intent showing all available seats at that screening hour.

## {choose seat}

1. The choose seat intent shows a layout of the cinema screening room the available seats highlighted. The user can select multiple seats that are available
2. When an available seat has been selected the user can choose to go to payment or back to select movie, the current tickets will be put into a basket and a price will be calculated.
3. The user can choose to pay now or browse more movie screenings.
4. If user selects browse more movies, they are redirected to the movie screening list intent.
5. If the user selects pay now, they are redirected to the payment intent.

# Book ticket error, alternative flow and exception handling

## {select screening}

1. User clicks on a screening with no available seats.
2. User is prompt with a toast saying that there are no available seats at this screening.
3. The user chooses to cancel the booking prosses, the user will be prompted a message asking if they are sure, if so they will be redirected to the movie list intent.

## {select seat}

1. If the user tries to select an unavailable seat they are prompted with a toast that that seat is already booked by someone else.

