

**Title Page**

Individual Project: **Test Plan**

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Developer: Georgi Tinchev ([g.tinchev@student.fontys.nl](mailto:g.tinchev@student.fontys.nl))

Tutor: Bhardwaj Sachin ([sachin.bhardwaj@fontys.nl](mailto:sachin.bhardwaj@fontys.nl))

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Test Cases

**Movie Management (FRD-1)**

1. **Add Movie**
   * **ID:** TC-[[1]](#footnote-1)MOV[[2]](#footnote-2)-01
   * **Functional Requirement ID:** FRD-1
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Add Movie" section of the admin dashboard.
   * Enter movie details including title, release date, description, poster image URL, trailer URL, runtime, and average rating.
   * Click on the "Add Movie" button.
   * **Expected Result:** Movie added successfully.
2. **Edit Movie**
   * **ID:** TC-MOV-02
   * **Functional Requirement ID:** FRD-1
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Edit Movie" section of the admin dashboard.
   * Select a movie to edit.
   * Modify movie details such as title, description, or runtime.
   * Save the changes.
   * **Expected Result:** Movie edited successfully.
3. **Delete Movie**
   * **ID:** TC-MOV-03
   * **Functional Requirement ID:** FRD[[3]](#footnote-3)-1
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Delete Movie" section of the admin dashboard.
   * Select a movie to delete.
   * Confirm the deletion action.
   * **Expected Result:** Movie deleted successfully.

**User Management (FRD-2)**

1. **User Registration**
   * **ID:** TC-USER-01
   * **Functional Requirement ID:** FRD-2
   * **Pre-condition:** User attempts to register.
   * Test Steps:
   * Navigate to the registration page.
   * Enter valid user registration details (username, email, password).
   * Submit the registration form.
   * **Expected Result:** User registered successfully.
2. **User Login**
   * **ID:** TC-USER-02
   * **Functional Requirement ID:** FRD-2
   * **Pre-condition:** User attempts to log in.
   * **Test Steps:**
   * Navigate to the login page.
   * Enter valid user credentials (username/email and password).
   * Click on the "Login" button.
   * **Expected Result:** User logged in successfully.
3. **Update User Profile**
   * **ID:** TC-USER-03
   * **Functional Requirement ID:** FRD-2
   * **Pre-condition:** User is logged in.
   * Test Steps:
   * Navigate to the user profile section.
   * Edit user profile information (e.g., update email address or change password).
   * Save the changes.
   * **Expected Result:** User profile updated successfully.

**Genre, Actor, Director Management (FRD-3)**

1. **Add Genre**
   * **ID:** TC-GENRE-01
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Add Genre" section of the admin dashboard.
   * Enter genre details including name and description.
   * Click on the "Add Genre" button.
   * **Expected Result:** Genre added successfully.
2. **Edit Genre**
   * **ID:** TC-GENRE-02
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Edit Genre" section of the admin dashboard.
   * Select a genre to edit.
   * Modify genre details such as description.
   * Save the changes.
   * **Expected Result:** Genre edited successfully.
3. **Delete Genre**
   * **ID:** TC-GENRE-03
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Delete Genre" section of the admin dashboard.
   * Select a genre to delete.
   * Confirm the deletion action.
   * **Expected Result:** Genre deleted successfully.
4. **Add Actor**
   * **ID:** TC-ACTOR-01
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Add Actor" section of the admin dashboard.
   * Enter actor details – name.
   * Click on the "Add Actor" button.
   * **Expected Result:** Actor added successfully.
5. **Edit Actor**
   * **ID:** TC-ACTOR-02
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Edit Actor" section of the admin dashboard.
   * Select an actor to edit.
   * Modify actor details such as bio or image.
   * Save the changes.
   * **Expected Result:** Actor edited successfully.
6. **Delete Actor**
   * **ID:** TC-ACTOR-03
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Delete Actor" section of the admin dashboard.
   * Select an actor to delete.
   * Confirm the deletion action.
   * **Expected Result:** Actor deleted successfully.
7. **Add Director**
   * **ID:** TC-DIRECTOR-01
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * • Test Steps:
   * Navigate to the "Add Director" section of the admin dashboard.
   * Enter director details including name, bio, and image.
   * Click on the "Add Director" button.
   * **Expected Result:** Director added successfully.
8. **Edit Director**
   * **ID:** TC-DIRECTOR-02
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Edit Director" section of the admin dashboard.
   * Select a director to edit.
   * Modify director details such as bio or image.
   * Save the changes.
   * **Expected Result:** Director edited successfully.
9. **Delete Director**
   * **ID:** TC-DIRECTOR-03
   * **Functional Requirement ID:** FRD-3
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "Delete Director" section of the admin dashboard.
   * Select a director to delete.
   * Confirm the deletion action.
   * **Expected Result:** Director deleted successfully.

**User Authentication (FRD-4)**

1. **User Authentication**
   * **ID:** TC-AUTH-01
   * **Functional Requirement ID:** FRD-4
   * **Pre-condition:** User attempts to log in.
   * **Test Steps:**
   * Navigate to the login page.
   * Enter valid user credentials (username/email and password).
   * Click on the "Login" button.
   * **Expected Result:** User authenticated successfully.

**Interpretation Management (FRD-5)**

1. **Submit Interpretation**
   * **ID:** TC-INTERP-01
   * **Functional Requirement ID:** FRD-5
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "Submit Interpretation" section.
   * Enter interpretation content including text and select associated movie.
   * Click on the "Submit" button.
   * **Expected Result:** Interpretation submitted successfully.

**Review Management (FRD-6)**

1. **Submit Review**
   * **ID:** TC-REVIEW-01
   * **Functional Requirement ID:** FRD-6
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "Submit Review" section.
   * Enter review content including rating, text, and select associated movie.
   * Click on the "Submit" button.
   * **Expected Result:** Review submitted successfully.

**Recommendation System (FRD-7)**

1. **View Recommendations**
   * **ID:** TC-RECOMMEND-01
   * **Functional Requirement ID:** FRD-7
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "View Recommendations" section.
   * View personalized movie recommendations based on user preferences and viewing history.
   * **Expected Result:** Personalized movie recommendations displayed accurately.

**Statistics and Analysis (FRD-8)**

1. **View Analytics**
   * **ID:** TC-ANALYTICS-01
   * **Functional Requirement ID:** FRD-8
   * **Pre-condition:** Administrator is logged in.
   * **Test Steps:**
   * Navigate to the "View Analytics" section of the admin dashboard.
   * View system usage data including user activity and movie statistics.
   * **Expected Result:** Accurate statistics and analysis displayed.

**Web App Specific Test Cases:**

**Movie Browsing and Searching (FRW[[4]](#footnote-4)-1)**

1. **Browse Movies**
   * **ID:** TC-WEB-BROWSE-01
   * **Functional Requirement ID:** FRW-1
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the movies section of the web app.
   * View a list of available movies.
   * **Expected Result:** User can view a list of available movies.
2. **Search Movies**
   * **ID:** TC-WEB-SEARCH-01
   * **Functional Requirement ID:** FRW-1
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the search bar within the movies section.
   * Enter search criteria (e.g., movie title).
   * Click on the search button.
   * **Expected Result:** User can search for specific movies and relevant results are displayed.

**Profile Management (FRW-3)**

1. **Update Profile**
   * **ID:** TC-WEB-PROFILE-01
   * **Functional Requirement ID:** FRW-3
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the user profile section.
   * Edit user profile information such as email address or password.
   * Save the changes.
   * **Expected Result:** User can update their profile successfully.

**Interactivity and Engagement (FRW-4)**

1. **Rate Movie**
   * **ID:** TC-WEB-RATE-01
   * **Functional Requirement ID:** FRW-4
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to a movie's details page.
   * Enter a rating value.
   * Click on the "Rate" button.
   * **Expected Result:** User can rate a movie, and the rating is recorded accurately.
2. **Submit Interpretation**
   * **ID:** TC-WEB-INTERP-01
   * **Functional Requirement ID:** FRW-4
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "Submit Interpretation" section on a movie's page.
   * Enter interpretation content including text.
   * Click on the "Submit" button.
   * **Expected Result:** User can submit an interpretation successfully.
3. **Write Review**
   * **ID:** TC-WEB-REVIEW-01
   * **Functional Requirement ID:** FRW-4
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "Write Review" section on a movie's page.
   * Enter review content including rating and text.
   * Click on the "Submit" button.
   * **Expected Result:** User can write a review for a movie, and the review is saved accurately.

**Recommendations and Personalization (FRW-5)**

1. **View Personalized Recommendations**
   * **ID:** TC-WEB-RECOMMEND-01
   * **Functional Requirement ID:** FRW-5
   * **Pre-condition:** User is logged in.
   * **Test Steps:**
   * Navigate to the "View Recommendations" section.
   * View personalized movie recommendations based on user preferences and viewing history.
   * **Expected Result:** User receives personalized movie recommendations based on their preferences.

1. Test Case [↑](#footnote-ref-1)
2. Movie [↑](#footnote-ref-2)
3. Functional Requirement Desktop App [↑](#footnote-ref-3)
4. Functional Requirement Web [↑](#footnote-ref-4)