A studio is starting its next project: films spanning various categories. To streamline the process and estimate costs, they've sought the assistance of a software developer. Your objective is to develop a C# application that validates film specifications and computes the production cost for each film.

**Functional Requirements:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req. #** | **Requirements Description** | **Class Name** | **Method Name** | **Parameters** | **Description** |
| **1** | Validate the film specifications entered by the user | **FilmUtility** | ValidateFilmSpecification | string category, double mainActorSalary | This method is used to **validate**the film specifications.  **Valid**Film Specifications:   * Category should be "**Action**", "**Drama**" or "". * The Main Actor's salary should be **greater**than **0**.   **Constraints:**   * When the specifications are valid, return **true;** Otherwise, return **false**. * The film category is **case-sensitive**. |
| **2** | Calculate the production cost of the film using category, main actor's salary. | **FilmUtility** | CalculateProductionCost | string category, double mainActorSalary | This method calculates the production cost and returns double value.   |  |  |  | | --- | --- | --- | | **Category** | **Cost (per category)** | **Actor Salary** | | Action | 500000 | Three times of main actor's salary | | Drama | 300000 | N/A | | Comedy | 200000 | N/A |     **Constraints:**   * The production cost is calculated by adding the category cost and the actor's salary(for available category). |

**Sample Input 1:**

Enter Film Category (Action/Drama/Comedy):

**Action**

Enter Main Actor's Salary:

**100000**

**Sample Output 1:**

Production Cost: 800000

**Sample Input 2:**

Enter Film Category (Action/Drama/Comedy):

**drama**

Enter Main Actor's Salary:

**100000**

**Sample Output 2:**

Invalid film specifications