IPO Table

**Search Data Table**

|  |  |  |
| --- | --- | --- |
| **Input** | **Process** | **Output** |
| Keyword string and search category (Title, Genre, Year etc.) | -Stores the keyword and search category  -Checks if keyword field is blank  -Checks if a category has been selected | “Please enter keyword”  “Please select a category”  Changes to Results Screen or Add Screen |

**Add Data Table**

|  |  |  |
| --- | --- | --- |
| **Input** | **Process** | **Output** |
| -Movie title  -Year Released  -Genre  -Director  -Actors  -Movie Poster | -Checks if all information has been entered  -Saves all the added information into a database  -Saves movie poster into folder of posters  -Loads all information from selected movie to edit | “Successfully Added” Message  “Error has Occurred when adding” Message  Changes the empty fields to “Enter info”  Returns to Search Screen |

**Results Data Table**

|  |  |  |
| --- | --- | --- |
| **Input** | **Process** | **Output** |
| -Select movie title from list box | -Using the stored keyword and search category the database is queried  -Gets the movie titles of every matching movie  -Groups titles together into a list box  -Loads all information of selected title  -Loads watch screen | List box of movie titles that matched the search specifications.  “No results”  Go to Watch Screen, Add Screen or Search Screen  “Movie not found” message |

**Watch Data Table**

|  |  |  |
| --- | --- | --- |
| **Input** | **Process** | **Output** |
|  | -Loads movie into WMP plugin  -Checks format of selected movie | Hours of viewing pleasure!! |