# Overview

The program will allow a user to create, read, update and delete media types such as games, music and movies. The program will store and retrieve this information from a central database and allow users to enter in various data points about a piece of media like artist, title, and description. Existing media will be able to be edited or deleted as needed by the user.

# Assumptions

* Users will enter a least a title for each media.
* All other fields are optional.

# Flow Diagram/Pseudo-code

A close up of text on a white background

Description automatically generated

# UML

A close up of text on a white background

Description automatically generated

# Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
|  | File menu is clicked | The file menu dropdown is shown | The file menu dropdown is shown | P |
|  | The ‘New’ menu option is clicked | The form fields clear out and if a current media id is selected | The forms fields are cleared out and the current media id is cleared out | P |
|  | The ‘New’ menu option is clicked | The datatable is reloaded | The datatable is reloaded | P |
|  | The ‘Delete’ menu option is clicked | The current media is deleted out of the database | The current media is deleted out of the database | P |
|  | The ‘Delete’ menu option is clicked | The user is prompted to delete the record | The user is prompted to delete the record | P |
|  | In the delete prompt the user clicks no | The prompt is hidden. | The prompt is hidden | P |
|  | In the delete prompt the user clicks yes | The record is deleted, and the prompt goes away | The record is deleted, and the prompt goes away | P |
|  | In the delete prompt the user clicks yes | The datatable is reloaded | The datatable is reloaded | P |
|  | The ‘Reload’ menu option is clicked | The form is cleared | The form is cleared | P |
|  | The ‘Reload’ menu option is clicked | The datatable is reloaded | The datatable is reloaded | P |
|  | The exit menu option is clicked | The user is prompted to exit | The user is prompted to exit | P |
|  | In the exit prompt the user clicks yes | The application closes | The application closes | P |
|  | In the exit prompt the user clicks no | The prompt closes | The prompt closes | P |
|  | Help menu is clicked | The help menu dropdown is shown | The help menu is shown | P |
|  | The about menu item is clicked | The about prompt is shown | The about prompt is shown | P |
|  | The Title field is required | When submitting the form without a title a message box is shown indicating that field is required | When submitting the form without a title a message box is shown indicating that field is required | P |
|  | Creating a new media | Submitting the form persists the data to the database | Submitting the form persists the data to the database | P |
|  | Creating a new media | The datatable is reloaded | Data table does not reload | P |
|  | Selecting an existing media from the table | The form fields are flashed with the rows details | The form fields are flashed with the rows details | P |
|  | Updating an existing media | Any updates made to the current media are persisted to that row in the database | Any updates made to the current media are persisted to that row in the database | P |
|  | Updating an existing media | Once the user clicks submit the forms fields are refreshed | Once the user clicks submit the forms fields are refreshed | P |
|  | Updating an existing media | Once the user clicks submit the datatable is reloaded | Once the user clicks submit the datatable is reloaded | F |
|  | The type dropdown is dynamic based on selected row | When selecting a media form the data table the | The dropdown is updated with the current media | P |
|  | The type dropdown is dynamic based on the media\_types table | Adding a media type to the table adds a new row to the dropdown | Adding a media type to the table adds a new row to the dropdown | P |
|  | The user reorders a column in the datatable | The datatable updates with the right ordering | The datatable updates with the right ordering | P |