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| **Name:** | Omar Nagi |
| **Student access ID** | Ga0470 |
| **Project Name:** | EZ Audio |
| **Group#** | 3 |

Lab Assignment 2

***Review the example below highlighted in yellow and populate all the other tables according to the Lab Assignment and this example. All requirements and fields must be populated to get full credit.***

1. Sort library ability
2. Change sorting criteria (date/name/artist/etc)
3. Delete featerue to remove from library
4. Validate video to check for valid YouTube URL
5. Validate video to check that video is up and available
6. Error messages specific to validation errors

***Example:***

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| **ID. Requirement title (e.g. FR1. Game initialization)** | | |
| Goal: FR1 provides the initialization of the game | | |
| Description:  There shall be two dice in the game. Each dice shall have six faces. The player’s movement shall be based on the dice roll. If the dice roll is two, the player shall move forward two cells; if the dice roll is three, the player shall move forward with three cells. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: MM/DD/YYYY | Priority: range from 1 to 5 (5 as the highest) |

**Functional Requirements:**

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| **FR1. 1. Sort library** | | |
| Goal: To display a sorted library | | |
| Description: The Application shall display the files in alphabetical order by default | | |
| Origin: A user of our application (hint: teammate: Jack) | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **FR2. Sort library by name** | | |
| Goal: User should be able to change the sorting criteria to name | | |
| Description: the user shall be able to sort the library by name after converting the files | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **FR3. Sort library by date** | | |
| Goal: User should be able to change the sorting criteria to date | | |
| Description: The application shall allow users to sort the library by date after converting the files | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **FR4.** Delete files | | |
| Goal: User should be able to delete files from the library | | |
| Description: The application shall allow users to delete files after they have been converted | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **FR5.** Validate URL. | | |
| Goal: Validate a YouTube video URL | | |
| Description: The application shall confirm the user entered YouTube Video URL is valid prior to allowing them to proceed to the next step | | |
| Origin: Group | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **FR6. Validate URL** | | |
| Goal : Validate a video URL | | |
| Description: The application shall confirm the user entered Video URL is valid prior to allowing them to proceed to the next step. | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **FR7. Display Error messages** | | |
| Goal: display an error message if the URL is not is not a YouTube URL | | |
| Description: The Application shall display an error message if the URL is not a YouTube URL | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **FR8. Display Error messages** | | |
| Goal: display an error message if the video is not available in YouTube | | |
| Description: The Application shall display an error message if the video is not available in YouTube | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **FR9. Enter new URL** | | |
| Goal: TO enter new URL if the first URL was Validated | | |
| Description: The application shall allow the user to enter a new URL if the fist URL was Validated | | |
| Origin: A user of our application (hint: teammate: Yousif) | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 3 |

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| **FR10. Validate URL** | | |
| Goal: to ask user to enter the right URL | | |
| Description: The application shall keep asking the user to reenter a right URL if they keep entering a wrong URL | | |
| Origin: A user of our application (hint: teammate: Khaled) | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: |

**Non-functional Requirements**

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| **NFR1. Availability of the files** | | |
| Goal: Availability of the files | | |
| Description: The files shall be available 24 hours a day and 7 days a week | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **NFR2. Display Error messages** | | |
| Goal: automatically Display Error messages | | |
| Description: The system shall automatically Display Error messages with an error message after Validate the URL | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **NFR3.** Deleting the video | | |
| Goal: automatically delete the file | | |
| Description: the system shall automatically delete the file that the user wants to delete | | |
| Origin: A user of our application (hint: teammate: Khaled) | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 4 |

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| **NFR4. display files sorted by name** | | |
| Goal: **display files sorted by name** | | |
| Description: the system should automatically display sorted files by name if the user wants it to be sorted by name | | |
| Origin Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |

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| **NFR5. display files sorted by date** | | |
| Goal: **display files sorted by date** | | |
| Description: the system should automatically display sorted files by date if the user wants it to be sorted by date | | |
| Origin: Initial application main functionality description | | |
| Version: 1.0 | Date: 09/19/2019 | Priority: 5 |