**Team**: Paul Boschert, Teresa Creech

**Title**: Tardis-box

**Project Summary**:

Tardis-box is a no-charge media distribution system. It will allow a potential customer view and sort the available media and, if desired, create a user account using a valid email address. The user may, delete this account, if all borrowed media has been checked in.

A registered user may view and sort the available media with the option to check-out an item. If the requested media is unavailable, the request will be waitlisted to be checked out to the user as soon as it is available.

An administrator may view and sort the media.. Only an admin can add and delete media. An administrator can delete a user account, if necessary and can handle overdue items.

**Project Requirements:**

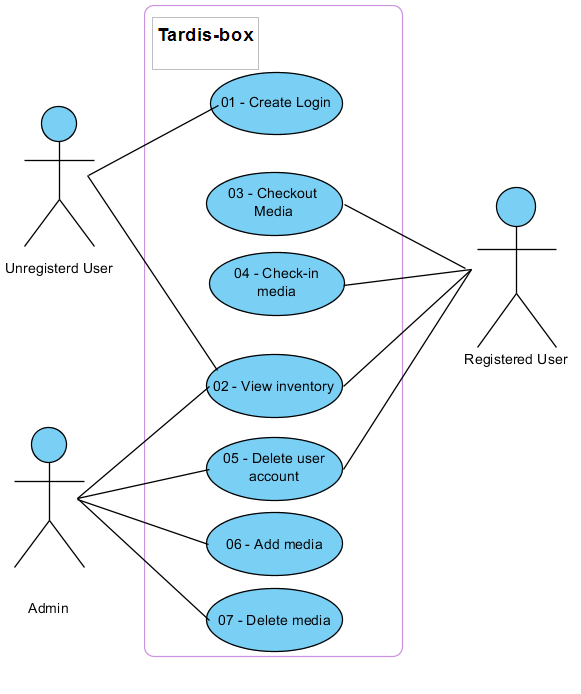
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| Business Requirements | | | | |
| ID | **Requirement** | **Topic Area** | **User** | **Priority** |
| BR-01 | User account usernames must be a valid e-mail address. | Accounts | Registered User | Medium |
| BR-02 | Only admin can add/delete media items. | Database | Admin | Medium |
| BR-03 | Potential customers can view available media without having to create an account or login. | Database | Unregistered User | Critical |

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| User Requirements | | | | |
| ID | **Requirement** | **Topic Area** | **User** | **Priority** |
| UR-01 | Unregistered user can request and create their own account | Accounts | Unregistered User | Critical |
| UR-02 | Any user can view a help/contact page | User Interface | All | Low |
| UR-03 | Any user can view media list | Database | All | Critical |
| UR-04 | A user can remove their account if certain conditions are met (e.g. no overdue items). | Accounts | Registered User | Medium |
| UR-05 | A user can make a request to checkout media. | Database | Registered User | Critical |
| UR-06 | A user can check-in media. | Database | Registered User | Critical |
| UR-07 | An admin can delete an account | Accounts | Admin | Medium |
| UR-08 | An admin can handle overdue items | Accounts | Admin | Medium |

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| Functional Requirements | | | | |
| ID | **Requirement** | **Topic Area** | **User** | **Priority** |
| FR-01 | There must be a display of the media that shows the title and an associated picture. | Database | All | Critical |
| FR-02 | There must be a way to view details of a particular media item (besides just a picture and title) that shows a short description and possibly other details e.g. IMDB data). | Database | All | Medium |
| FR-03 | There must be a way to sort the media for display to the user. | Database | All | Medium |
| FR-04 | There must be a way to put media on a waitlist, if necessary. | Accounts | Admin | Medium |
| FR-05 | There must be a way to remove item from waitlist (and check it out to a requestor) |  | Admin | Medium |

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| Non-Functional Requirements | | | | |
| ID | **Requirement** | **Topic Area** | **User** | **Priority** |
| NR-01 | Time to cycle from one page media titles to the next must be reasonable. | User Interface | All | Medium |
| NR-02 | User credentials must be encrypted. | Accounts | Registered user | Low |
| NR-03 | Web pages need to be clearly worded and easy to navigate. | User Interface | All | Medium |

**Users and Tasks:**

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| **Use Case ID:** | UC-05 | | |
| **Use Case Name:** | Delete user account | | |
| **Description:** | Administrators can remove user accounts | | |
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| **Actor:** | Admin | | |
| **Pre-conditions:** | The admin must be logged in and the user must exist. | | |
| **Post-conditions:** | The deleted user no longer exists. | | |
| **Frequency of Use:** | Arbitrary, anytime a user needs to be removed by an administrator. Est: monthly. | | |
| **Flow of Events:** |  | **Actor Action** | **System Response** |
| 1. | Log in to Tardis-box | User credentials are verified |
| 2. | Click on administrator panel | Administrative options are displayed |
| 3. | Click on user sub-panel | A list of users is displayed |
| 4. | Select a user | The user is highlighted |
| 5. | Click the remove icon | The user is removed |
| **Variations:** |  | | |
| **Notes & Issues:** |  | | |
| **Developer Notes:** |  | | |

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| **Use Case ID:** | UC-06 | | |
| **Use Case Name:** | Add media | | |
| **Description:** | A new media item can be added to the system. | | |
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| **Actor:** | Admin | | |
| **Pre-conditions:** | An admin must be logged in and the media item must not already exist. | | |
| **Post-conditions:** | The new media item was added and is available for checkout. | | |
| **Frequency of Use:** | Arbitrary, anytime an admin needs to add media. Est: weekly | | |
| **Flow of Events:** |  | **Actor Action** | **System Response** |
| 1. | Log in to Tardis-box | User credentials are verified |
| 2. | Click on administrator panel | Administrative options are displayed |
| 3. | Click on media sub-panel | A list of media actions is displayed |
| 4. | Click on add media | The media entry form is displayed |
| 5. | Enter media details; click submit | The new media item is added |
| **Variations:** |  | | |
| **Notes & Issues:** |  | | |
| **Developer Notes:** |  | | |

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| **Use Case ID:** | UC-07 | | |
| **Use Case Name:** | Delete media | | |
| **Description:** | A media item needs to be removed from the system. | | |
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| **Actor:** | Admin | | |
| **Pre-conditions:** | An admin must be logged in, and the media item must exist. | | |
| **Post-conditions:** | The media item deleted no longer exists in the system. | | |
| **Frequency of Use:** | Arbitrary, anytime an admin needs to delete media. Est: weekly | | |
| **Flow of Events:** |  | **Actor Action** | **System Response** |
| 1. | Log into Tardis-box | User credentials are verified |
| 2. | Click on administrator panel | Administrative options are displayed |
| 3. | Click on media sub-panel | A list of media actions is displayed |
| 4. | Click on delete media | A list of available media items is displayed |
| 5. | Select the media item; click delete | The media item is deleted |
| **Variations:** |  | | |
| **Notes & Issues:** |  | | |
| **Developer Notes:** |  | | |

**Activity Diagram:**

**Data Storage**

**UI Mockups:**

**User Interactions:**

**Class Diagram:**