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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:

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

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

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

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:

Activity Diagram:

Data Storage

UI Mockups:

User Interactions:

Class Diagram: