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## Product Backlog (Buggy's TV Guide)

### Problem Statement:

There are so many television shows and it is difficult to keep up with which ones are showing on which days. We want to create a program to keep track of when your favorite shows are going to be premiering new episodes in one place.

### Background Information:

Most people have at least one television show that they are dedicated to watching and in today's world sometimes your show might be on at a time that doesn't fit with your schedule. Being able to have all your shows times scheduled in your calendar would be nice but it would also be very tedious. With this software you can easily search and export your show to a calendar and always know when you are free or not.

### Environment:

We will be writing this program in Java and will be utilizing APIs meant for web-scraping to find the data we will be using in the program.

### Functional requirements:

- 1) As a user, I would be like to use a Graphical User Interface to input my shows [20 hrs]
- 2) As a user, I would like to be able to search for shows based upon our keywords and select from relevant search results
- 3) As a user, I would like to be able to see data regarding my show (Episode times, names, show description) [16 hrs]
- 4) As a user, I would like to be able to see actor information (name, images, show roles) [12 hrs]
- 5) As a user, I would like to be able to export my output to iCal, Twitter, Facebook, etc [14 hrs]
- 6) As a user, I would like to be able to save my favorite shows for quick lookup [8 hrs]

### Non-functional requirements:

- 1) As a developer, I would like the user to be able to scrape data from a popular television database
- 2) As a developer, I would like the program to retrieve and output in a reasonable amount of time
- 3) As a developer, I would like the code to be easy to read and intuitively written
- 4) As a user, I would like the program to be consistently responsive and provide feedback on interaction (example: interaction with the client should respond to resized windows, or provide users with errors or warnings on bad input)
- 5) As a user, I would like information to be displayed in a reasonable format (example: information should be provided in order, specifically for time sensitive data, and no graphical errors/inconsistencies should exist)

### Use Cases:

- 1) Graphical User Interface

Open program	displays interactive graphical user interface
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- 2) search for available shows

Enter show name in text field	
click search button	system searches for shows
	If any shows match the keyword, a list of shows is returned
	Otherwise, the user is informed of an error or lack of matching shows

- 3) see actor information

click on actor name	system searches for actor information
	if available, system displays actor information

- 4) export information to iCal, twitter, etc

click export in menu	software converts/formats program information to desired output
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	creates and saves desired file(iCal) or posts to desired media in a valid format
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#### 5) save favorites for quick lookup

click “add” button after search is completed	TV show popup is closed
	Show is displayed in “Shows” list on Main Window and in “Upcoming Times” list

#### 6) Save list of shows

Click save button on main screen	System opens file finder
User selects a location	System saves .txt file with shows list

#### 7) Load list of shows

Click load button on main screen	System opens file finder
User selects shows list	System displays Shows and Showtimes on main window.
	Any shows currently in the user’s list are replaced by the loaded file

#### 8) Remove shows from list

click “remove” button after search is completed	TV show popup is closed
	Show is no longer displayed in “Shows” list on Main Window and in “Upcoming Times” list