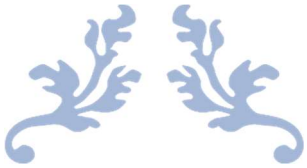


SCRUM LOGS

Complementary Document

Table of Contents

Sprint 1:

Initial Product Backlog: (Starting, week 1: Monday 29th October 2018)

Priority	Product Backlog Item; User Stories	Story Points Complexity, Risks and Effort (Time to complete) 1/5	Business Value 1/5
1	As a user I want to be able to search Open Movie Database so that I can find movies I want to watch.	5	5
2	As a user I want to be able to randomly select a movie, so I can find something new to watch.	3	1
3	As a user I want to be able to run the program from the desktop so that its easily accessible.	2	5
4	As a user I want to have stored search histories.	2	2
5	As a user I want to have the option to store movies into a wish list.	3	4
6	As a user I want the application to be represented in a Graphical User interface so that a none technical user can use the application.	4	5

Sprint Planning: (Meeting Between Product Owner, Scrum Master and Team)

During this meeting we discussed the product owners backlog and took the top three user stories and created individual tasks and times for completion. Scheduled day for completion is Friday the 2nd of December; ready for the sprint review on Monday the 5th.

Sprint Backlog: 10 x 4 = 40hrs

User Stories (Backlog)	**Individual Tasks for Stories**	**Time for Each Task**	**Time for Each User Story**
As a user I want to be able to search Open Movie Database so that I can find movies I want to watch.	Design UML class, relation and data flow diagrams.	4 Hours	18 Hours
	Obtain the API key from the open movie database.	2 Hours	
	Understand the OMDb database.	3 Hours	
	Get the users input for movie title they want to search for.	2 Hours	
	Concatenate the user's entry of a movie title into the API search in the OMDb database.	1 Hours	
	Display results in an appropriate structure	3 Hours	
	Test classes and methods	3 Hours	
As a user I want to be able to randomly select a movie, so I can find something new to watch.	Design UML class, relation and data flow diagrams.	3 Hours	11 Hours
	Understand the IMDb id used in the OMDb database API.	2 Hours	
	Generate a random ID generated specific to that used by IMDb.	2 Hours	
	Concatenate the random ID to the API URL and return the results into a appropriate structure.	1 Hours	
	Test classes and methods.	3 Hours	
As a user I want to be able to run the program from the desktop so that its easily accessible.	Create an implementation strategy	3 Hours	11 Hours
	Use pyinstaller for PyCharm to develop application.	1 Hours	
	Fully understand how to incorporate an EXE which is standalone and without excess files.	2 Hours	
	Use command execution to build application.	2 Hours	
	Test the exe for initiation, logical and physical errors.	3 Hours	

Daily SCRUM Meeting: 1/4 (Week 1: Tuesday 30th October 2018)

Meeting Q&A:

	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Design UML class, relationship and data flow diagrams. (4)	Create an implementation strategy for compilation. (3)	
Team Member 2:	**Started; Not Completed:** Obtain the API key from the open movie database. (2)	**Needs Completing:** Obtain the API key from the open movie database. (2) **To be Started:** Understand the OMDb database. (3)	The api key wasn't created because of lack of knowledge of member 2. Not being able to obtain the api key for the OMDb means the next tasks to be worked on have to be delayed until the key is retrieved.
Team Member 3:	**Started; Not Completed:** Design UML class, relation and data flow diagrams. (3)	**Needs Completing:** - Design UML class, relation and data flow diagrams. (3) **To be Started:** Generate a random ID generated specific to that used by IMDb. (2)	Having access to an API account meant to that further research could be done into the random ID generator. The key and account were not created, which meant designs were delaying because of lack of information that would need to be used for class design.
Team Member 4:	**Started; Not Completed:** Understand the IMDb id used in the OMDb database API. (2)	**Needs Completing:** Understand the IMDb id used in the OMDb database API. (2)	Another disadvantage of not obtaining the api key meant that understanding how to request based on IMDb id. This means that tasks will be delayed for the next day.

Progression Chart:

User Stories (Backlog)	To Do	In Progression	Done
As a user I want to be able to search Open Movie Database so that I can find movies I'm interested in watching.	Design UML class, relationship and data flow diagrams. (4)	X	✓
	Obtain the API key from the open movie database. (2)	✓late	X
	Understand the OMDb database. (3)	✓	X
	Get the users input for movie title they want to search for. (2)	X	X
	Concatenate the user's movie title into the API search in the OMDb database. (1)	X	X
	Display results in an appropriate structure. (3)	X	X
	Test classes and methods. (3)	X	X
As a user I want to be able to randomly select a movie, so I can find something new to watch.	Design UML class, relation and data flow diagrams. (3)	✓ Late	X
	Understand the IMDb id used in the OMDb database API. (2)	✓ late	X
	Generate a random ID generated specific to that used by IMDb. (2)	✓	X
	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	X	X
	Test classes and methods. (3)	X	X
As a user I want to be able to run the program from the desktop so that its easily accessible.	Create an implementation strategy for compilation. (3)	✓	X
	Use pyinstaller for PyCharm to develop application. (1)	X	X
	Fully understand how to incorporate an EXE which is standalone and without excess files. (2)	X	X
	Use command execution to build application. (2)	X	X
	Test the exe for initiation, logical and physical. (2)	X	X

Burndown Chart:

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.

Daily SCRUM Meeting: 2/4 (Week 1: Wednesday 31th October 2018)

Meeting Q&A:

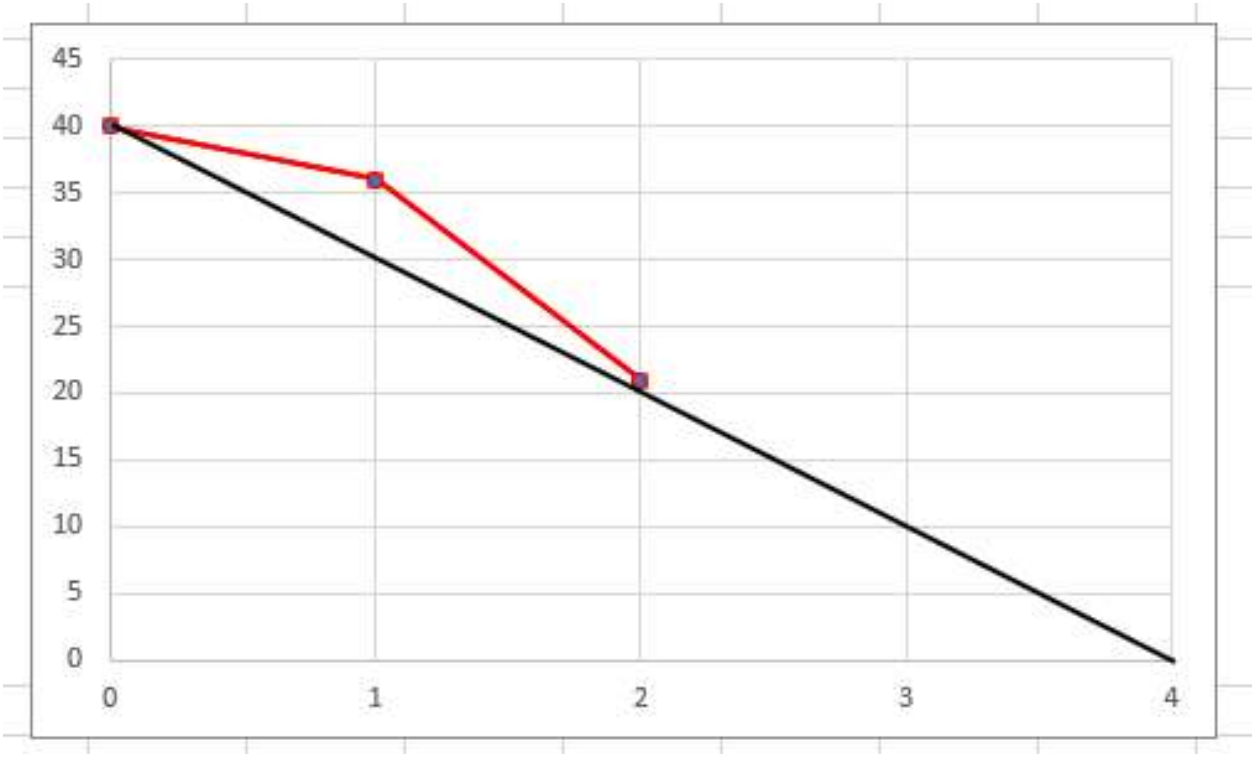
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Create an implementation strategy for compilation. (3)	Concatenate the user's movie title into the API search in the OMDb database. (1)	**N/A**
Team Member 2:	Obtain the API key from the open movie database. (2) Understand the OMDb database. (3)	Get the users input for movie title they want to search for. (2)	**N/A**
Team Member 3:	- Design UML class, relation and data flow diagrams. (3) Generate a random ID generated specific to that used by IMDb. (2)	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	**N/A**
Team Member 4:	Understand the IMDb id used in the OMDb database API. (2)	Display results in an appropriate structure. (3)	**N/A**

Progression Chart:

User Stories (Backlog)	To Do	In Progression	Done
As a user I want to be able to search Open Movie Database so that I can find movies I'm interested in watching.	Design UML class, relationship and data flow diagrams. (4)	X	✓
	Obtain the API key from the open movie database. (2)	X	✓
	Understand the OMDb database. (3)	X	✓
	Get the users input for movie title they want to search for. (2)	✓	X
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✓	X
	Display results in an appropriate structure. (3)	✓	X
	Test classes and methods. (3)	X	X
As a user I want to be able to randomly select a movie, so I can find something new to watch.	**Design UML class, relation and data flow diagrams. (3)**	X	✓
	Understand the IMDb id used in the OMDb database API. (2)	X	✓
	Generate a random ID generated specific to that used by IMDb. (2)	X	✓
	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	✓	X
	Test classes and methods. (3)	X	X
As a user I want to be able to run the program from the desktop so that its easily accessible.	**Create an implementation strategy for compilation(3)**	X	✓
	Use pyinstaller for PyCharm to develop application. (1)	X	X
	Fully understand how to incorporate an EXE which is standalone and without excess files. (2)	X	X
	Use command execution to build application. (2)	X	X
	Test the exe for initiation, logical and physical. (2)	X	X

Burndown Chart:

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 3/4 (Week 1: Thursday 1st November 2018)

Meeting Q&A:

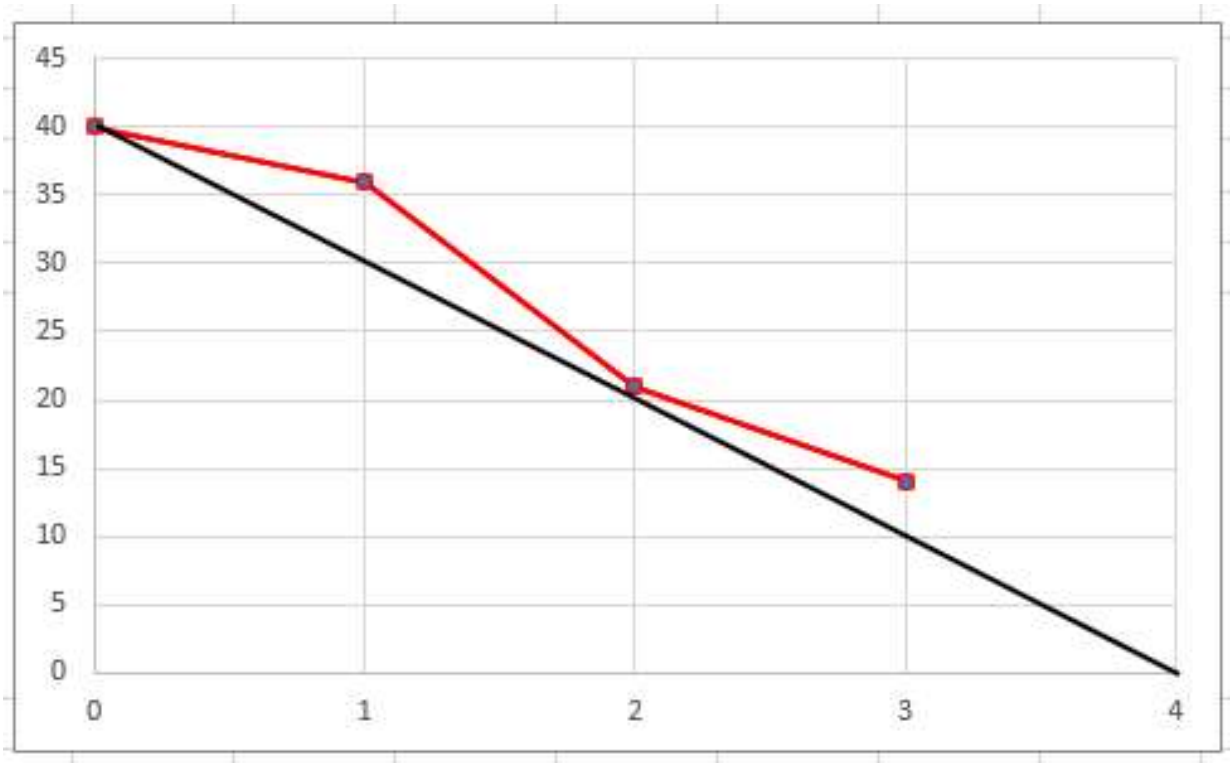
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Concatenate the user's movie title into the API search in the OMDb database. (1)	Use pyinstaller for PyCharm to develop application. (1) Fully understand how to incorporate an EXE which is standalone and without excess files. (2) Use command execution to build application. (2)	Issues relating to previous research meant that the API requests was initially wrong and needed changing. This was completed on time without any repercussions.
Team Member 2:	Get the users input for movie title they want to search for. (2)	Test classes and methods for OMDb search. (3)	**N/A**
Team Member 3:	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	Test classes and methods for Randomising an IMDb ID. (3)	Issues relating to previous research into the API meant that the requests were initially wrong and needed changing. This was completed on time without any repercussions.
Team Member 4:	Display results in an appropriate structure. (3)	Use pyinstaller for PyCharm to develop application. (1) Test the exe for initiation, logical and physical. (2)	Issues relating to the json return type meant it took longer than expected. This was however completed on time with the help from Team Member 2.

Progression Chart:

User Stories (Backlog)	To Do	In Progression	Done
As a user I want to be able to search Open Movie Database so that I can find movies I'm interested in watching.	Design UML class, relationship and data flow diagrams. (4)	✗	✓
	Obtain the API key from the open movie database. (2)	✗	✓
	Understand the OMDb database. (3)	✗	✓
	Get the users input for movie title they want to search for. (2)	✗	✓
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✗	✓
	Display results in an appropriate structure. (3)	✗	✓
	Test classes and methods. (3)	✓	✗
As a user I want to be able to randomly select a movie, so I can find something new to watch.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Understand the IMDb id used in the OMDb database API. (2)	✗	✓
	Generate a random ID generated specific to that used by IMDb. (2)	✗	✓
	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	✗	✓
	Test classes and methods. (3)	✓	✗
As a user I want to be able to run the program from the desktop so that its easily accessible.	Create an implementation strategy for compilation(3)	✗	✓
	Use pyinstaller for PyCharm to develop application. (1)	✓	✗
	Fully understand how to incorporate an EXE which is standalone and without excess files. (2)	✓	✗
	Use command execution to build application. (2)	✓	✗
	Test the exe for initiation, logical and physical. (2)	✓	✗

Burndown Chart:

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 4/4 (Week 1: Friday 2nd November 2018)

Meeting Q&A:

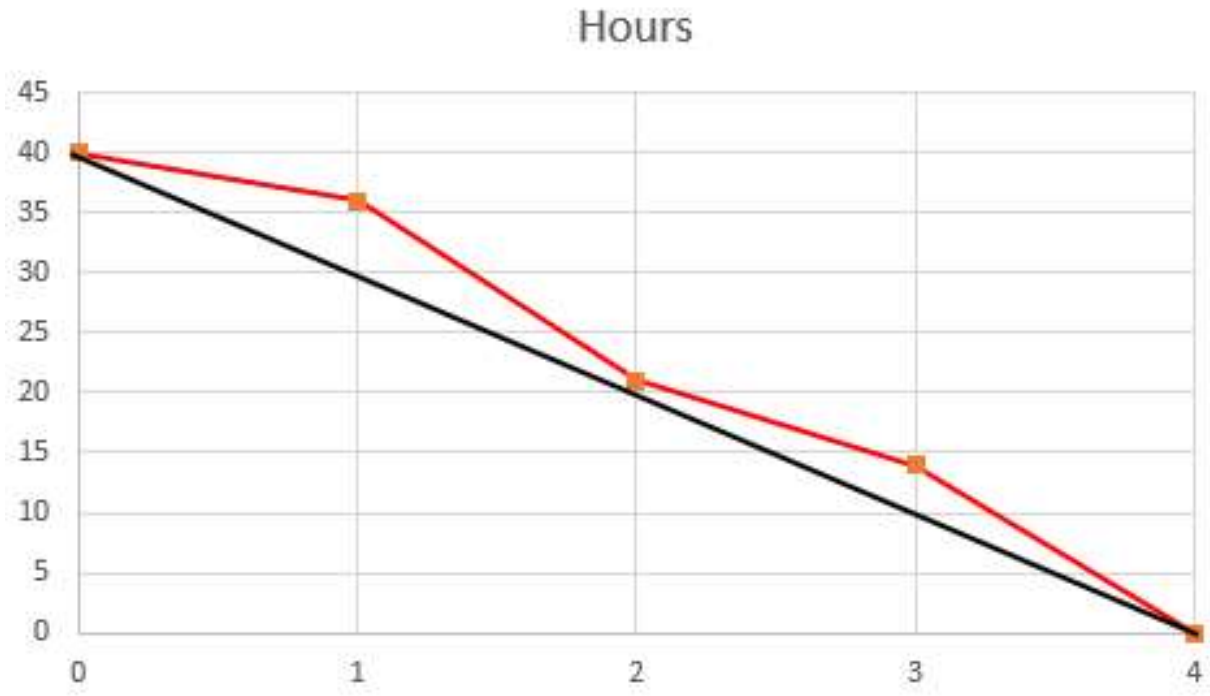
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Use pyinstaller for PyCharm to develop application. (1) Fully understand how to incorporate an EXE which is standalone and without excess files. (2) Use command execution to build application. (2)	**Sprint 1 Complete**	Issue relating to system environmental variables which meant the correct path wasn't being used.
Team Member 2:	Test classes and methods for OMDb search. (3)	**Sprint 1 Complete**	Switching Team member for testing attributes shows that comments weren't easily readable. This did not affect the testing being complete.
Team Member 3:	Test classes and methods for Randomising an IMDb ID. (3	**Sprint 1 Complete**	
Team Member 4:	Test the exe for initiation, logical and physical. (2)	**Sprint 1 Complete**	

Progression Chart:

User Stories (Backlog)	To Do	In Progression	Done
As a user I want to be able to search Open Movie Database so that I can find movies I'm interested in watching.	Design UML class, relationship and data flow diagrams. (4)	X	✓
	Obtain the API key from the open movie database. (2)	X	✓
	Understand the OMDb database. (3)	X	✓
	Get the users input for movie title they want to search for. (2)	X	✓
	Concatenate the user's movie title into the API search in the OMDb database. (1)	X	✓
	Display results in an appropriate structure. (3)	X	✓
	Test classes and methods. (3)	X	✓
As a user I want to be able to randomly select a movie, so I can find something new to watch.	Design UML class, relation and data flow diagrams. (3)	X	✓
	Understand the IMDb id used in the OMDb database API. (2)	X	✓
	Generate a random ID generated specific to that used by IMDb. (2)	X	✓
	Concatenate the random ID to the API URL and return the results into an appropriate structure. (1)	X	✓
	Test classes and methods. (3)	X	✓
As a user I want to be able to run the program from the desktop so that its easily accessible.	Create an implementation strategy for compilation (3)	X	✓
	Use pyinstaller for PyCharm to develop application. (1)	X	✓
	Fully understand how to incorporate an EXE which is standalone and without excess files. (2)	X	✓
	Use command execution to build application. (2)	X	✓
	Test the exe for initiation, logical and physical. (2)	X	✓

Burndown Chart:

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Sprint Review: (Monday 5th November 2018)

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Completed?
As a user I want to be able to search Open Movie Database so that I can find movies I want to watch.	Design UML class, relation and data flow diagrams.	4 Hours	Achieved
	Obtain the API key from the open movie database.	2 Hours	Achieved
	Understand the OMDb database.	3 Hours	Achieved
	Get the users input for movie title they want to search for.	2 Hours	Achieved
	Concatenate the user's entry of a movie title into the API search in the OMDb database.	1 Hours	Achieved
	Display results in an appropriate structure	3 Hours	Achieved
	Test classes and methods	3 Hours	Achieved
As a user I want to be able to randomly select a movie, so I can find something new to watch.	Design UML class, relation and data flow diagrams.	3 Hours	Achieved
	Understand the IMDb id used in the OMDb database API.	2 Hours	Achieved
	Generate a random ID generated specific to that used by IMDb.	2 Hours	Achieved
	Concatenate the random ID to the API URL and return the results into a appropriate structure.	1 Hours	Achieved
	Test classes and methods.	3 Hours	Achieved
As a user I want to be able to run the program from the desktop so that its easily accessible.	Create an implementation strategy	3 Hours	Achieved
	Use pyinstaller for PyCharm to develop application.	1 Hours	Achieved
	Fully understand how to incorporate an EXE which is standalone and without excess files.	2 Hours	Achieved
	Use command execution to build application.	2 Hours	Achieved
	Test the exe for initiation, logical and physical errors.	3 Hours	Achieved

Sprint Retrospective: (Monday 5th November 2018)

Team Member:	What went well in the Sprint?	What could be improved?	What will we commit to improve in the next Sprint?
Brandon:	Contributions to the online resource 'Creatively' was great for communicating our UML and DFD diagrams to each member in the team. Paired programming allowed some common programming practices to be upheld but some still lacked.	Lack of knowledge meant that some tasks couldn't be completed. Compiling the program into a finished prototype with an .exe provided difficult in relation to path configuration. Programming practices	Clearing system path variable which cover multiple in use applications which can cause crossover errors when searching for file paths. Programming practices need to be upheld to the best standard, allowing all members to intuitively understand a the code written.
Team Member 2:	Test Driven Development went well in designing test environments and implementing them across the sprint.	Lack of knowledge meant that some tasks couldn't be completed. Programming practices Communication.	Completing further designing to ensure that knowledge isn't an issue. Communications between members needs to be improved so that task completion can be noted.
Team Member 3:	Not having to do the testing at the end because testing was implemented into initial design patterns.	Lack of knowledge meant that some tasks couldn't be completed. Programming practices	Completing further designing to ensure that knowledge isn't an issue.
Team Member 4:	The Scrum Desk online platform enable communications to our team for the product owner on ideas for the backlog.	Lack of knowledge meant that some tasks couldn't be completed. Programming practices	Completing further designing to ensure that knowledge isn't an issue.

Sprint 2:

Refinement of Product Backlog: (Starting, week 2: Monday 5th November 2018)

Priority	Product Backlog Item; User Stories	Story Points Complexity, Risks and Effort (Time to complete): 1/5	Business Value 1/5
1	**Updated Previous User Story:** As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	2	4
2	**New:** As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	4	4
3	As a user I want to have the option to store movies into a wish list.	2	2
4	As a user I want to have stored search histories.	3	4
5	As a user I want the application to be represented in a Graphical User interface so that a none technical user can use the application.	4	5

Sprint Planning: (Meeting Between Product Owner, Scrum Master and Team)

During this meeting we discussed the product owners backlog and took the top three user stories and created individual tasks and times for completion. Scheduled day for completion is Friday the 2nd of December; ready for the sprint review on Monday the 5th.

Sprint Backlog: 10 x 4 = 40hrs

Write about what has been included

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Time for Each User Story
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	Design UML class, relation and data flow diagrams from the previous sprint.	3 Hours	11 Hours
	Get the users input for movie title, IMDB ID, type and year	2 Hours	
	Concatenate the user's movie title into the API search in the OMDb database.	1 Hours	
	Display results in an appropriate structure	2 Hours	
	Test classes and methods	3 Hours	
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	Design UML class, relation and data flow diagrams.	3 Hours	14 Hours
	Obtain the API key from the open movie database.	2 Hours	
	Understand the OMDb database.	2 Hours	
	Get the users input for movie title they want to search for.	1 Hours	
	Concatenate the user's movie title into the API search in the OMDb database.	1 Hours	
	Display results in an appropriate structure	2 Hours	
	Test classes and methods	3 Hours	
New: As a user I want to have the option to store movies into a wish list.	Design UML class, relation and data flow diagrams.	3 Hours	15 Hours
	Implement a database for storing the appropriate information.	3 Hours	

	Add into the search classes the ability to add to the wish list.	2 Hours	
	Create methods for inserting and extracting data from the database.	2 Hours	
	Display results in an appropriate structure.	2 Hours	
	Test classes and methods.	3 Hours	

Daily SCRUM Meeting: 1/4 (Starting, week 2: Tuesday 6thth November 2018)

Meeting Q&A:

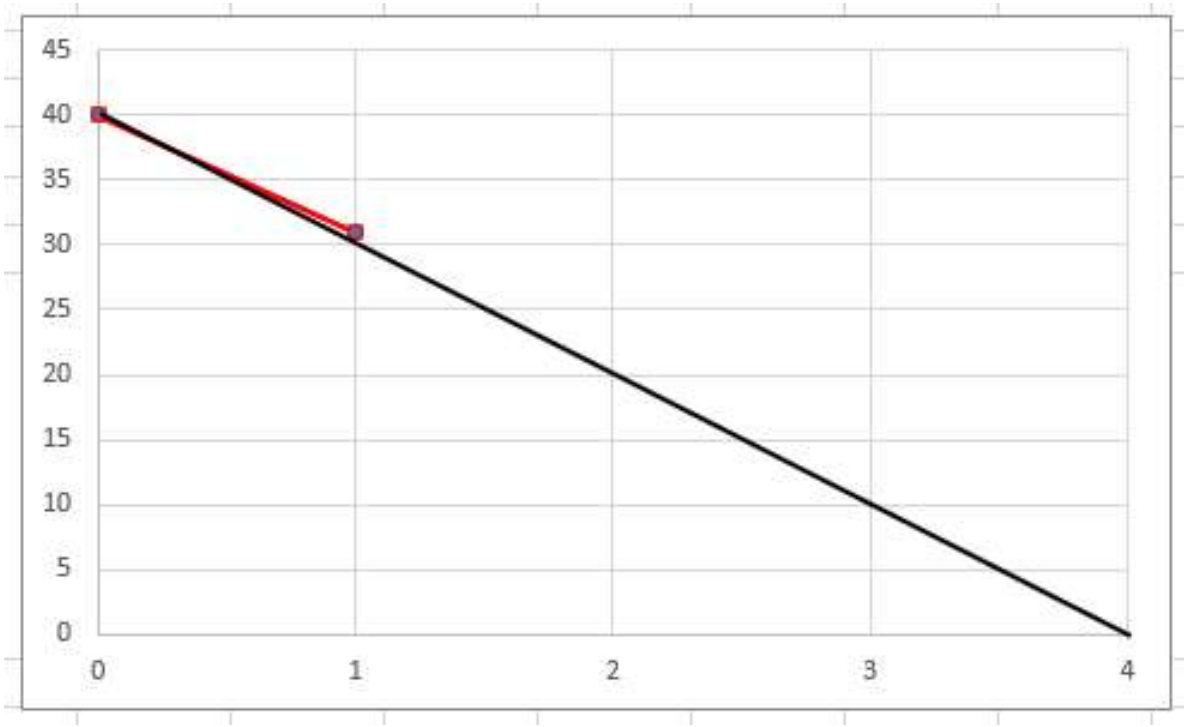
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Design UML class, relation and data flow diagrams from the previous sprint. (3)	Concatenate the user's movie title into the API search in the OMDb database. (1)	**N/A**
Team Member 2:		Get the users input for movie title, IMDB ID, type and year. (2)	**N/A**
Team Member 3:	Design UML class, relation and data flow diagrams for TMDb. (3) Design UML class, relation and data flow diagrams for storing a wish list. (3)	Obtain the API key from the open movie database. (2) Understand the TMDb database. (2)	**N/A**
Team Member 4:		Implement a database for storing the appropriate information. (3)	**N/A**

Progression Chart: (Starting, week 2: Tuesday 6th[th] November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	**Design UML class, relation and data flow diagrams from the previous sprint. (3)**	✗	✓
	Get the users input for movie title, IMDB ID, type and year. (2)	✓	✗
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✓	✗
	Display results in an appropriate structure. (2)	✗	✗
	Test classes and methods. (3)	✗	✗
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	**Design UML class, relation and data flow diagrams. (3)**	✗	✓
	Obtain the API key from the open movie database. (2)	✓	✗
	Understand the TMDb database. (2)	✓	✗
	Get the users input for movie title they want to search for. (1)	✗	✗
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✗	✗
	Display results in an appropriate structure. (2)	✗	✗
	Test classes and methods. (3)	✗	✗
New: As a user I want to have the option to store movies into a wish list.	**Design UML class, relation and data flow diagrams. (3)**	✗	✓
	Implement a database for storing the appropriate information. (3)	✓	✗
	Add into the search classes the ability to add to the wish list. (2)	✗	✗
	Create methods for inserting and extracting data from the database. (2)	✗	✗
	Display results in an appropriate structure. (2)	✗	✗
	Test classes and methods. (3)	✗	✗

Burndown Chart: (Starting, week 2: Tuesday 6thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 2/4 (Starting, week 2: Wednesday 7thth November 2018)

Meeting Q&A:

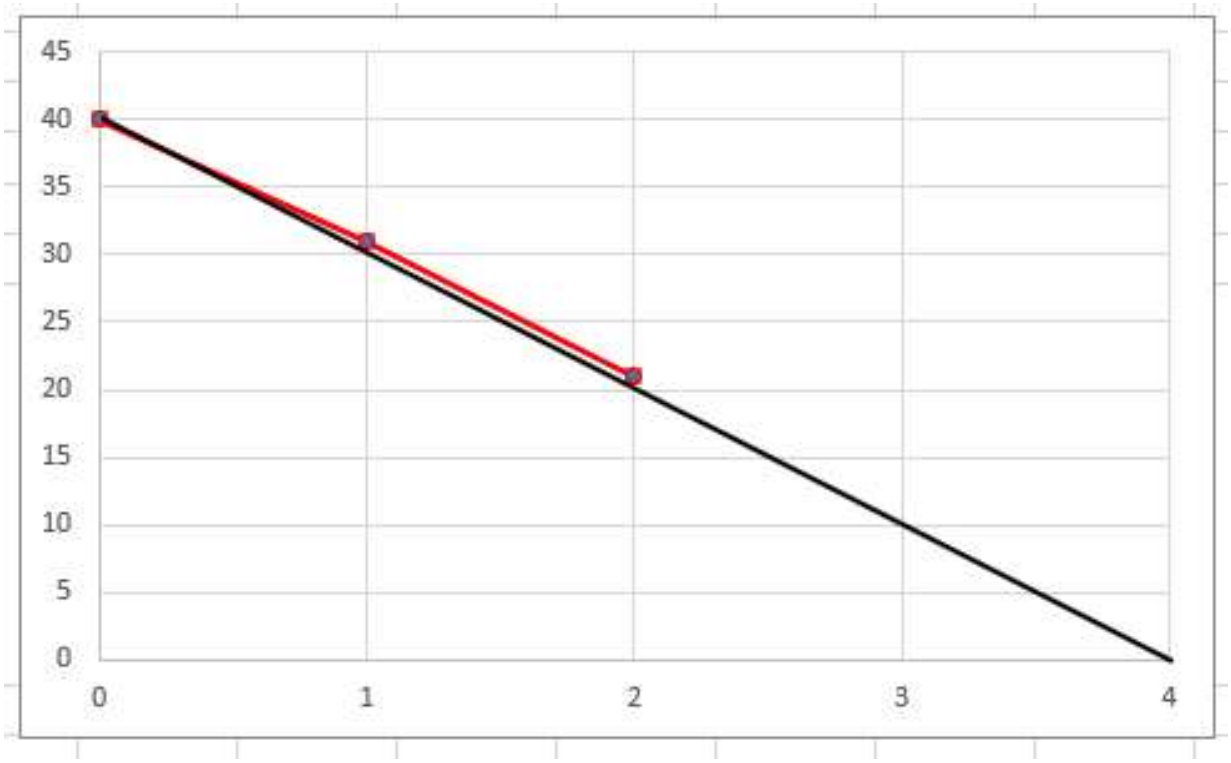
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Concatenate the user's movie title into the API search in the OMDb database. (1)	Display results in an appropriate structure for result from new user input parameters (2) Display results in an appropriate structure for results from TMDb (2)	**N/A**
Team Member 2:	Get the users input for movie title, IMDB ID, type and year. (2)	Add into the search classes the ability to add to the wish list. (2) Create methods for inserting and extracting data from the database. (2)	**N/A**
Team Member 3:	Obtain the API key from the open movie database. (2) Understand the TMDb database. (2)	Get the users input for movie title they want to search for. (1) Concatenate the user's movie title into the API search in the TMDb database. (1)	**N/A**
Team Member 4:	Implement a database for storing the appropriate information. (3)	Display results in an appropriate structure. (2)	**N/A**

Progression Chart: (Starting, week 2: Wednesday 7thth November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	Design UML class, relation and data flow diagrams from the previous sprint. (3)	✗	✓
	Get the users input for movie title, IMDB ID, type and year. (2)	✗	✓
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✗	✓
	Display results in an appropriate structure. (2)	✓	✗
	Test classes and methods. (3)	✗	✗
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Obtain the API key from the open movie database. (2)	✗	✓
	Understand the TMDb database. (2)	✗	✓
	Get the users input for movie title they want to search for. (1)	✓	✗
	Concatenate the user's movie title into the API search in the TMDb database. (1)	✓	✗
	Display results in an appropriate structure. (2)	✓	✗
	Test classes and methods. (3)	✗	✗
New: As a user I want to have the option to store movies into a wish list.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Implement a database for storing the appropriate information. (3)	✗	✓
	Add into the search classes the ability to add to the wish list. (2)	✓	✗
	Create methods for inserting and extracting data from the database. (2)	✓	✗
	Display results in an appropriate structure. (2)	✓	✗
	Test classes and methods. (3)	✗	✗

Burndown Chart: (Starting, week 2: Wednesday 7thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 3/4 (Starting, week 2: Thursday 8thth November 2018)

Meeting Q&A:

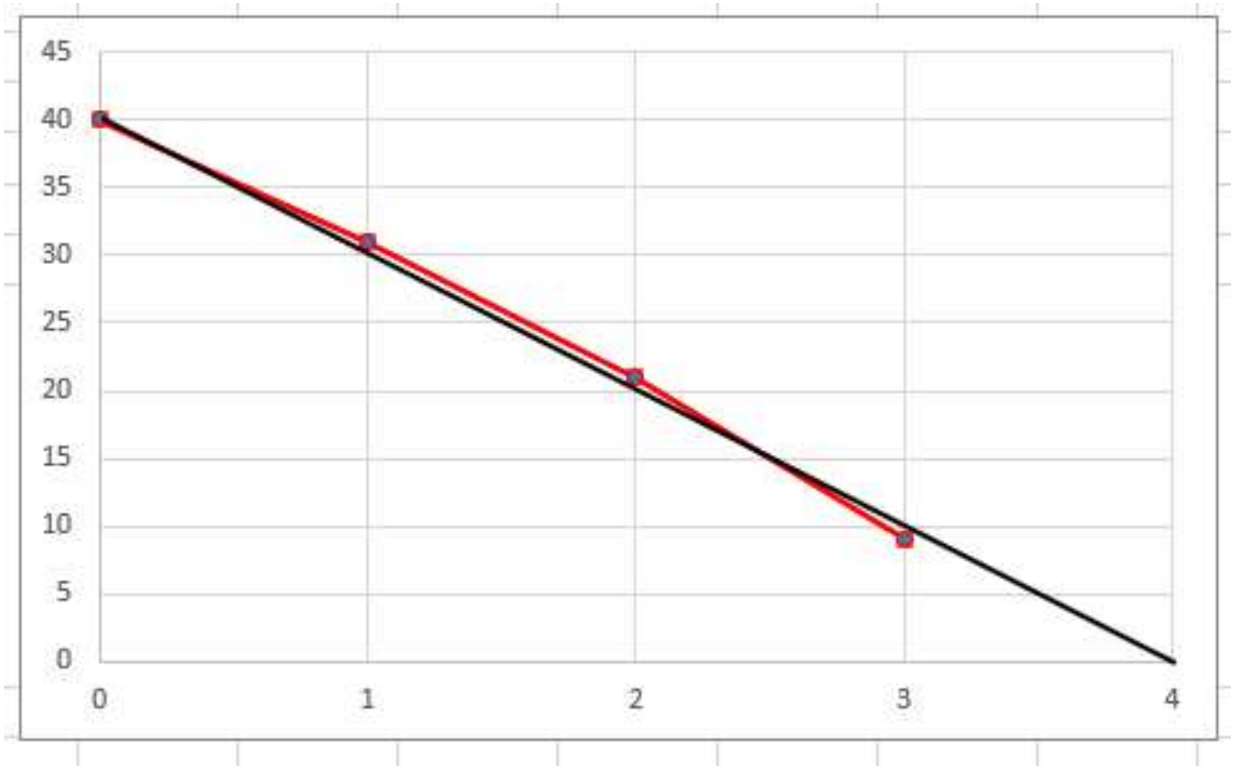
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Display results in an appropriate structure for result from new user input parameters (2) Display results in an appropriate structure for results from TMDb. (2)	Test classes and methods. (3)	**N/A**
Team Member 2:	Add into the search classes the ability to add to the wish list. (2) Create methods for inserting and extracting data from the database. (2)	Test classes and methods. (3)	**N/A**
Team Member 3:	Get the users input for movie title they want to search for. (1) Concatenate the user's movie title into the API search in the TMDb database. (1)	Test classes and methods. (3)	**N/A**
Team Member 4:	Display results in an appropriate structure. (2)		**N/A**

Progression Chart: (Starting, week 2: Thursday 8thth November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	Design UML class, relation and data flow diagrams from the previous sprint. (3)	✗	✓
	Get the users input for movie title, IMDB ID, type and year. (2)	✗	✓
	Concatenate the user's movie title into the API search in the OMDb database. (1)	✗	✓
	Display results in an appropriate structure. (2)	✗	✓
	Test classes and methods. (3)	✓	✗
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Obtain the API key from the open movie database. (2)	✗	✓
	Understand the TMDb database. (2)	✗	✓
	Get the users input for movie title they want to search for. (1)	✗	✓
	Concatenate the user's movie title into the API search in the TMDb database. (1)	✗	✓
	Display results in an appropriate structure. (2)	✗	✓
	Test classes and methods. (3)	✓	✗
New: As a user I want to have the option to store movies into a wish list.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Implement a database for storing the appropriate information. (3)	✗	✓
	Add into the search classes the ability to add to the wish list. (2)	✗	✓
	Create methods for inserting and extracting data from the database. (2)	✗	✓
	Display results in an appropriate structure. (2)	✗	✓
	Test classes and methods. (3)	✓	✗

Burndown Chart: (Starting, week 2: Thursday 8thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 4/4 (Starting, week 2: Friday 9thth November 2018)

Meeting Q&A:

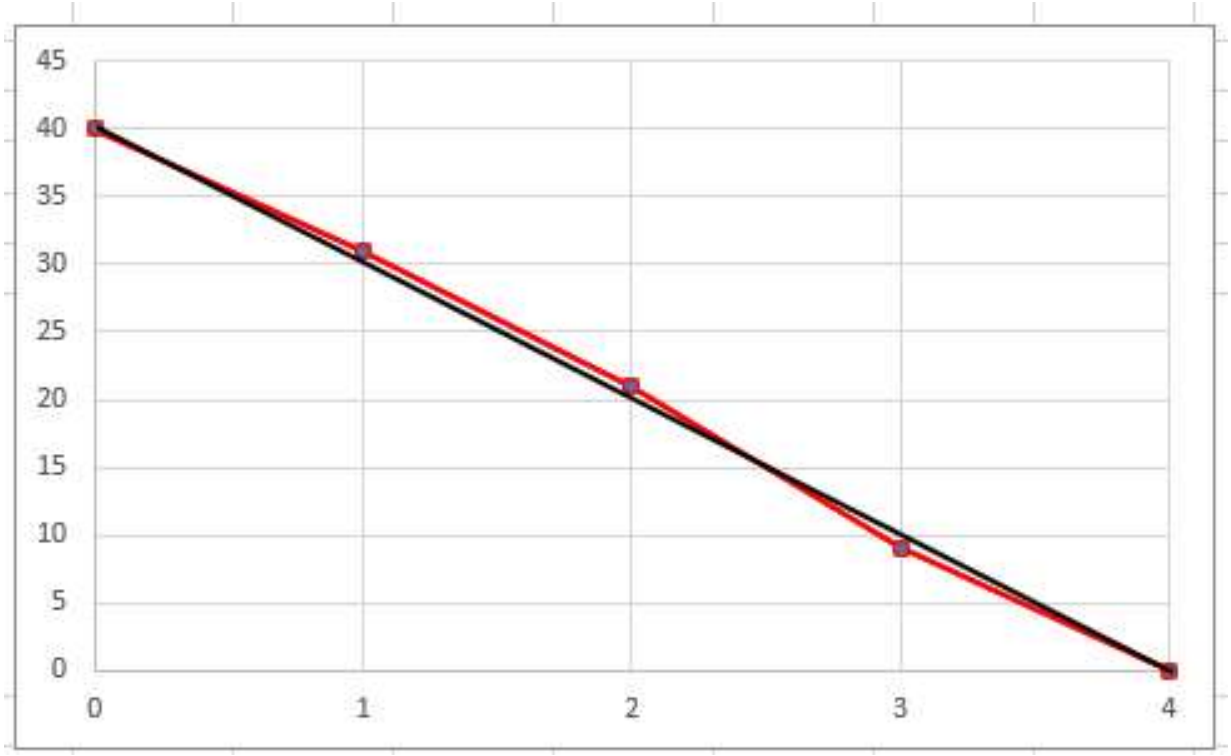
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Test classes and methods. (3)	**Sprint 2 Complete**	
Team Member 2:	Test classes and methods. (3)	**Sprint 2 Complete**	
Team Member 3:	Test classes and methods. (3)	**Sprint 2 Complete**	
Team Member 4:		**Sprint 2 Complete**	

Progression Chart: (Starting, week 2: Friday 9thth November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	Design UML class, relation and data flow diagrams from the previous sprint. (3)	X	✓
	Get the users input for movie title, IMDB ID, type and year. (2)	X	✓
	Concatenate the user's movie title into the API search in the OMDb database. (1)	X	✓
	Display results in an appropriate structure. (2)	X	✓
	Test classes and methods. (3)	X	✓
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	Design UML class, relation and data flow diagrams. (3)	X	✓
	Obtain the API key from the open movie database. (2)	X	✓
	Understand the TMDb database. (2)	X	✓
	Get the users input for movie title they want to search for. (1)	X	✓
	Concatenate the user's movie title into the API search in the TMDb database. (1)	X	✓
	Display results in an appropriate structure. (2)	X	✓
	Test classes and methods. (3)	X	✓
New: As a user I want to have the option to store movies into a wish list.	Design UML class, relation and data flow diagrams. (3)	X	✓
	Implement a database for storing the appropriate information. (3)	X	✓
	Add into the search classes the ability to add to the wish list. (2)	X	✓
	Create methods for inserting and extracting data from the database. (2)	X	✓
	Display results in an appropriate structure. (2)	X	✓
	Test classes and methods. (3)	X	✓

Burndown Chart: (Starting, week 2: Friday 9thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Sprint Review: (Starting, week 2: Monday 12thth November 2018)

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Completed?
Updated Previous User Story: As a user I want to be able to search using IMDB id, Title, type and year so that I can get a more refined search.	Design UML class, relation and data flow diagrams from the previous sprint.	3 Hours	Achieved
	Get the users input for movie title, IMDB ID, type and year	2 Hours	Achieved
	Concatenate the user's movie title into the API search in the OMDb database.	1 Hours	Achieved
	Display results in an appropriate structure	2 Hours	Achieved
	Test classes and methods	3 Hours	Achieved
New: As a user I want to be able to search The Movie Database as well as Open Movie Database, using the film name, so that I can always find movies to watch.	Design UML class, relation and data flow diagrams.	3 Hours	Achieved
	Obtain the API key from the open movie database.	2 Hours	Achieved
	Understand the OMDb database.	2 Hours	Achieved
	Get the users input for movie title they want to search for.	1 Hours	Achieved
	Concatenate the user's movie title into the API search in the OMDb database.	1 Hours	Achieved
	Display results in an appropriate structure	2 Hours	Achieved
	Test classes and methods	3 Hours	Achieved
New: As a user I want to have the option to store movies into a wish list.	Design UML class, relation and data flow diagrams.	3 Hours	Achieved
	Implement a database for storing the appropriate information.	3 Hours	Achieved
	Add into the search classes the ability to add to the wish list.	2 Hours	Achieved
	Create methods for inserting and extracting data from the database.	2 Hours	Achieved
	Display results in an appropriate structure.	2 Hours	Achieved
	Test classes and methods.	3 Hours	Achieved

Sprint Retrospective: (Starting, week 2: Monday 12thth November 2018)

Team Member:	What went well in the Sprint?	What could be improved?	What will we commit to improve in the next Sprint?
Brandon:	Completing the sprint on time. Implementation of UML diagrams through creately. Programming through pycharm and github.	Cross development from each team member.	Improving the cross module communication and development from each team member.
Team Member 2:	Implementation of UML diagrams through creately. Completing the sprint on time. Programming through pycharm and github.	Cross development from each team member.	Improving the cross module communication and development from each team member.
Team Member 3:	Implementation of UML diagrams through creately. Programming through pycharm and github.	Cross development from each team member.	Improving the cross module communication and development from each team member.
Team Member 4:	Implementation of UML diagrams through creately. Programming through pycharm and github. Completing the sprint on time.	Cross development from each team member.	Improving the cross module communication and development from each team member.

Sprint 3:

Refinement of Product Backlog: (Starting, week 3: Monday 12th November 2018)

Priority	Product Backlog Item; User Stories	Story Points Complexity, Risks and Effort (Time to complete): 0, 1, 1, 2, 3, 5, 8, 13, 21, 34	Business Value
1	**Updated:** As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	3	3
2	**New:** As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	3	5
	GUI Development		
3	As a user I want a dashboard so that I can easily navigate the application.	3	4
4	As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	3	4
5	As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	3	4
6	As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching.	3	4
7	As a user I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about.	3	4

Sprint Planning: (Meeting Between Product Owner, Scrum Master and Team)

During this meeting we discussed the product owners backlog and took the top three user stories and created individual tasks and times for completion. Scheduled day for completion is Friday the 2nd of December; ready for the sprint review on Monday the 5th.

Sprint Backlog: 10 x 4 = 40hrs

Write about what has been included

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Time for Each User Story
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	Design UML class, relation and data flow diagrams.	3 Hours	16 Hours
	Create two new tables for histories of OMDb and TMDb searches.	3 Hours	
	Store these histories in the tables.	3 Hours	
	Output all histories of OMDb and TMDb.	2 Hours	
	Test classes and methods	5 Hours	
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	Design a colour scheme to implement across all GUI screens.	3 Hours	3 Hours
As a user I want a dashboard so that I can easily navigate the application.	Design a GUI Dashboard using the colour scheme.	2 Hours	7 Hours
	Create Search Buttons that can link to OMDb and TMDb Search Gui's.	2 Hours	
	Test functionality of buttons.	3 Hours	
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	Design a GUI search screen for OMDb and TMDb using the colour scheme.	3 Hours	14 Hours
	Implement text boxes to allow the user enter data for the OMDb search.	2 Hours	

	Implement text boxes to allow the user enter data for the TMDb search.	2 Hours	
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously.	4 Hours	
	Test all objects within the OMDb and TMDb Gui's to see if functionality works.	3 Hours	

Daily SCRUM Meeting: 1/4 (Starting, week 3: Tuesday 13th November 2018)

Meeting Q&A:

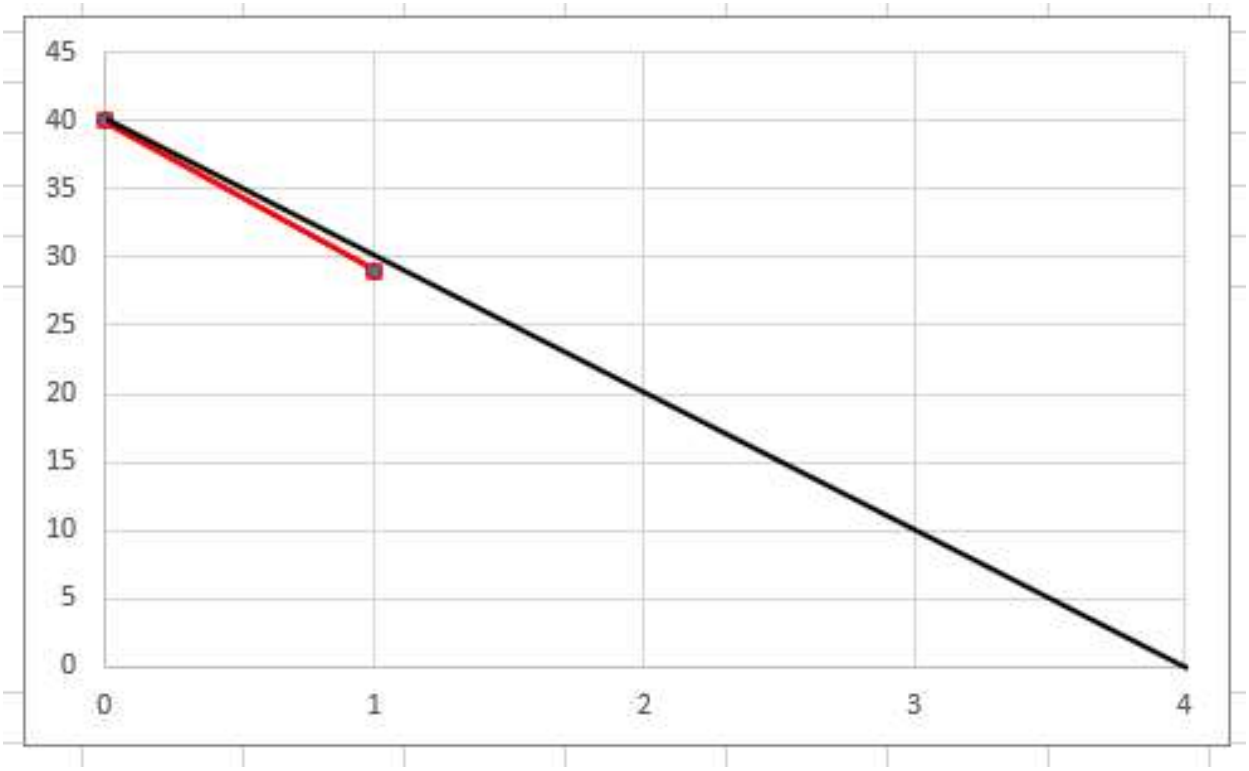
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Design a colour scheme to implement across all GUI screens. (3)	Create two new tables for histories of OMDb and TMDb searches. (3)	**N/A**
Team Member 2:	Design UML class, relation and data flow diagrams. (3)		**N/A**
Team Member 3:	Design a GUI Dashboard using the colour scheme. (2)	Implement text boxes to allow the user enter data for the OMDb search. (2)	**N/A**
Team Member 4:	Design a GUI search screen for OMDb and TMDb using the colour scheme. (3)	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	**N/A**

Progression Chart: (Starting, week 3: Tuesday 13th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	**Design UML class, relation and data flow diagrams. (3)**	✗	✓
	Create two new tables for histories of OMDb and TMDb searches. (3)	✓	✗
	Store these histories in the tables. (3)	✗	✗
	Output all histories of OMDb and TMDb. (2)	✗	✗
	Test classes and methods. (5)	✗	✗
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	**Design a colour scheme to implement across all GUI screens. (3)**	✗	✓
As a user I want a dashboard so that I can easily navigate the application.	**Design a GUI Dashboard using the colour scheme. (2)**	✗	✓
	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	✓	✗
	Test functionality of buttons. (3)	✗	✗
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	**Design a GUI search screen for OMDb and TMDb using the colour scheme. (3)**	✗	✓
	Implement text boxes to allow the user enter data for the OMDb search. (2)	✓	✗
	Implement text boxes to allow the user enter data for the TMDb search. (2)	✗	✗
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	✗	✗
	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	✗	✗

Burndown Chart: (Starting, week 3: Tuesday 13th November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 2/4 (Starting, week 3: Wednesday 14th November 2018)

Meeting Q&A:

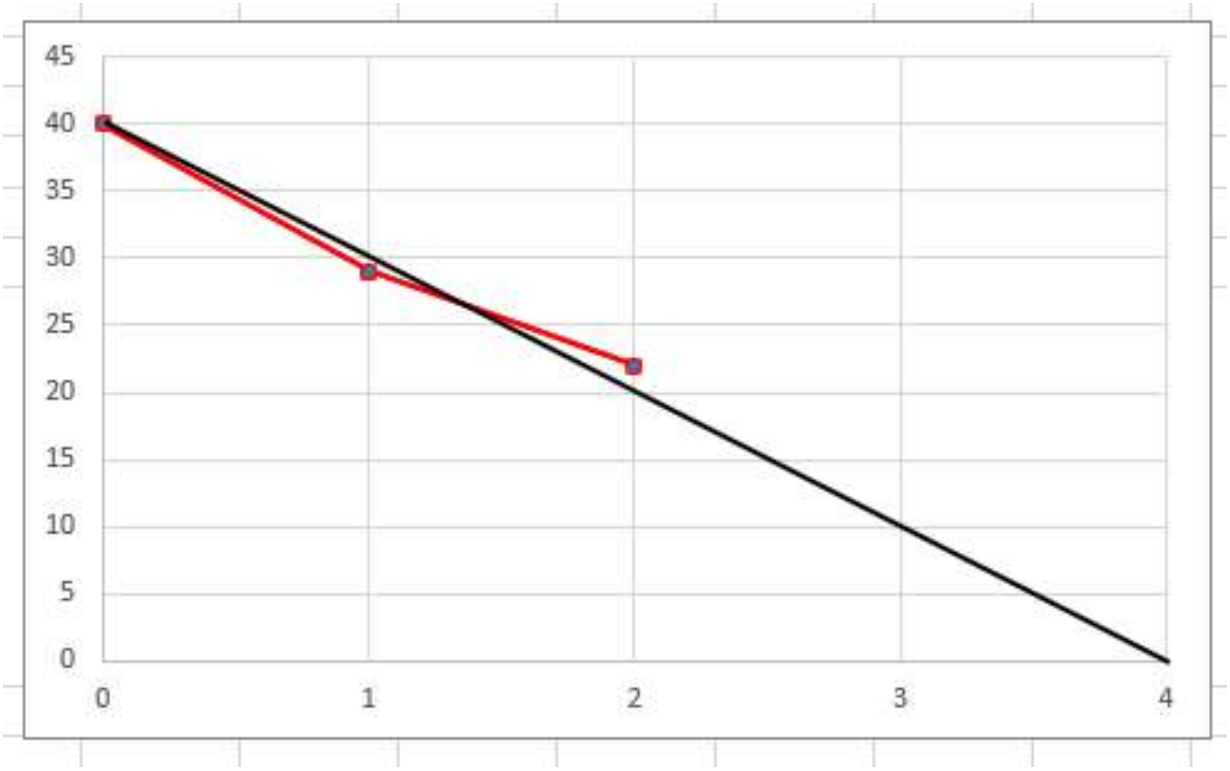
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Create two new tables for histories of OMDb and TMDb searches. (3)	Store these histories in the tables. (3)	**N/A**
Team Member 2:		Output all histories of OMDb and TMDb. (2)	**N/A**
Team Member 3:	Implement text boxes to allow the user enter data for the OMDb search. (2)	Implement text boxes to allow the user enter data for the TMDb search. (2)	**N/A**
Team Member 4:	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	**N/A**

Progression Chart: (Starting, week 3: Tuesday 13th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Create two new tables for histories of OMDb and TMDb searches. (3)	✗	✓
	Store these histories in the tables. (3)	✓	✗
	Output all histories of OMDb and TMDb. (2)	✓	✗
	Test classes and methods. (5)	✗	✗
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	Design a colour scheme to implement across all GUI screens. (3)	✗	✓
As a user I want a dashboard so that I can easily navigate the application.	Design a GUI Dashboard using the colour scheme. (2)	✗	✓
	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	✗	✓
	Test functionality of buttons. (3)	✗	✗
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	Design a GUI search screen for OMDb and TMDb using the colour scheme. (3)	✗	✓
	Implement text boxes to allow the user enter data for the OMDb search. (2)	✗	✓
	Implement text boxes to allow the user enter data for the TMDb search. (2)	✓	✗
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	✓	✗
	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	✗	✗

Burndown Chart: (Starting, week 3: Wednesday 14th November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 3/4 (Starting, week 3: Thursday 15thth November 2018)

Meeting Q&A:

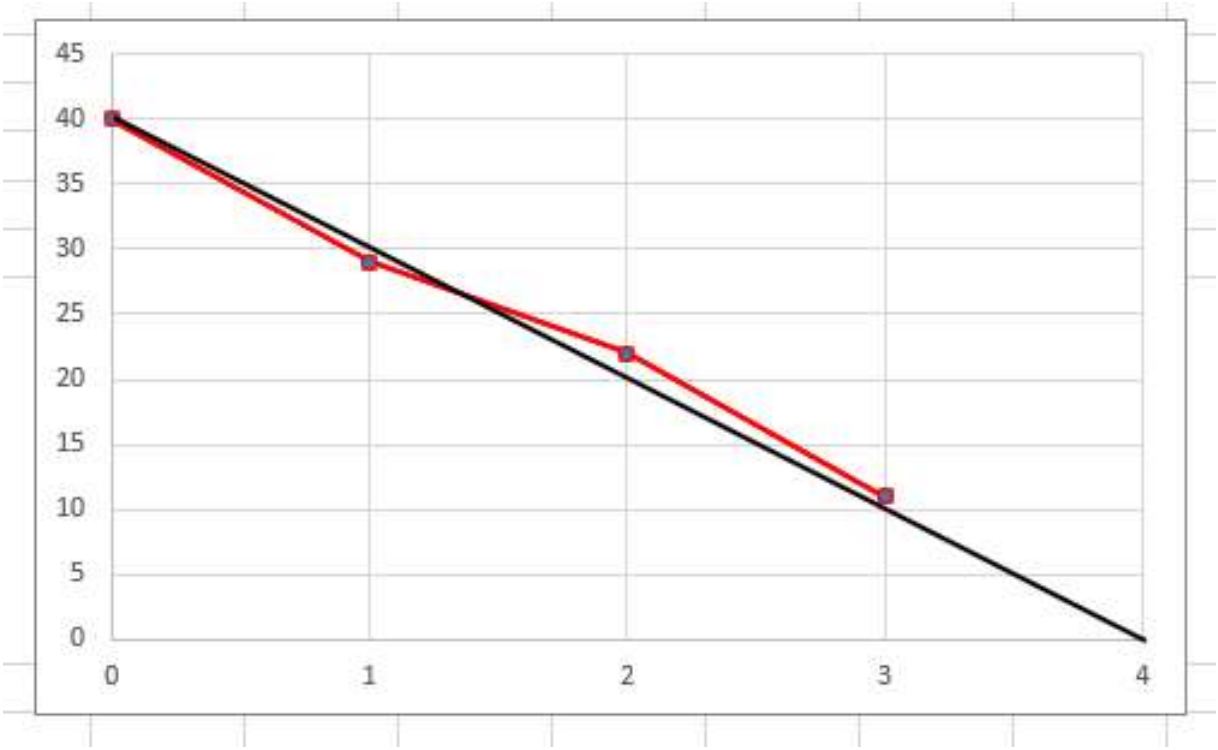
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Store these histories in the tables. (3) Output all histories of OMDb and TMDb. (2)	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	**N/A**
Team Member 2:			**N/A**
Team Member 3:	Implement text boxes to allow the user enter data for the TMDb search. (2) Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	Test functionality of buttons for dashboard (3)	**N/A**
Team Member 4:		Test classes and methods. (5)	**N/A**

Progression Chart: (Starting, week 3: Tuesday 13th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Create two new tables for histories of OMDb and TMDb searches. (3)	✗	✓
	Store these histories in the tables. (3)	✗	✓
	Output all histories of OMDb and TMDb. (2)	✗	✓
	Test classes and methods. (5)	✓	✗
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	Design a colour scheme to implement across all GUI screens. (3)	✗	✓
As a user I want a dashboard so that I can easily navigate the application.	Design a GUI Dashboard using the colour scheme. (2)	✗	✓
	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	✗	✓
	Test functionality of buttons. (3)	✓	✗
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	Design a GUI search screen for OMDb and TMDb using the colour scheme. (3)	✗	✓
	Implement text boxes to allow the user enter data for the OMDb search. (3)	✗	✓
	Implement text boxes to allow the user enter data for the TMDb search. (2)	✗	✓
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	✗	✓
	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	✓	✗

Burndown Chart: (Starting, week 3: Thursday 15thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 4/4 (Starting, week 3: Friday 16thth November 2018)

Meeting Q&A:

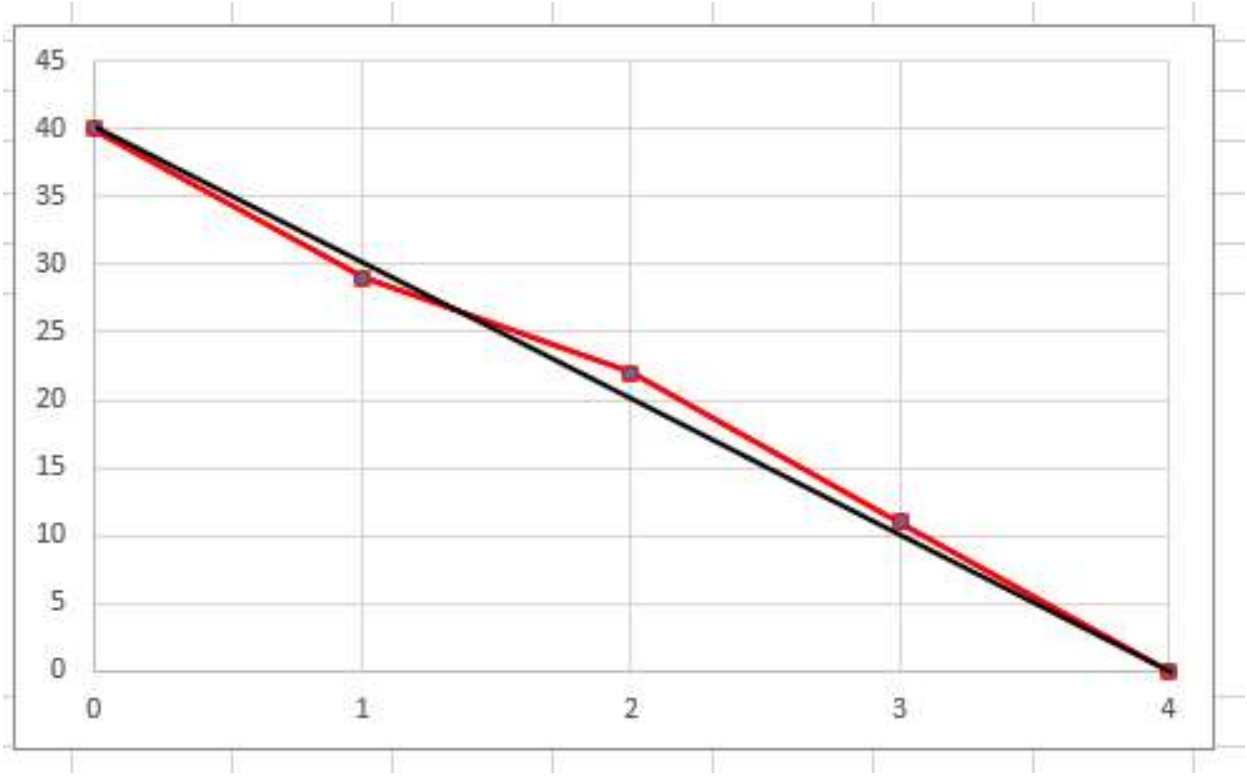
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	**Sprint 3 Complete**	
Team Member 2:		**Sprint 3 Complete**	
Team Member 3:	Test functionality of buttons for dashboard (3)	**Sprint 3 Complete**	
Team Member 4:	Test classes and methods. (5)	**Sprint 3 Complete**	

Progression Chart: (Starting, week 3: Tuesday 13th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	Design UML class, relation and data flow diagrams. (3)	✗	✓
	Create two new tables for histories of OMDb and TMDb searches. (3)	✗	✓
	Store these histories in the tables. (3)	✗	✓
	Output all histories of OMDb and TMDb. (2)	✗	✓
	Test classes and methods. (5)	✗	✓
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	Design a colour scheme to implement across all GUI screens. (3)	✗	✓
As a user I want a dashboard so that I can easily navigate the application.	Design a GUI Dashboard using the colour scheme. (2)	✗	✓
	Create Search Buttons that can link to OMDb and TMDb Search Gui's. (2)	✗	✓
	Test functionality of buttons. (3)	✗	✓
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	Design a GUI search screen for OMDb and TMDb using the colour scheme. (3)	✗	✓
	Implement text boxes to allow the user enter data for the OMDb search. (3)	✗	✓
	Implement text boxes to allow the user enter data for the TMDb search. (2)	✗	✓
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously. (4)	✗	✓
	Test all objects within the OMDb and TMDb Gui's to see if functionality works. (3)	✗	✓

Burndown Chart: (Starting, week 3: Friday 16thth November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Sprint Review: (Starting, week 3: Monday 19th[th] November 2018)

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Completed?
Updated: As a user I want to have stored search histories so that I can see all previous searches, these will be stored in separate tables for TMDb and OMDb.	Design UML class, relation and data flow diagrams.	3 Hours	Achieved
	Create two new tables for histories of OMDb and TMDb searches.	3 Hours	Achieved
	Store these histories in the tables.	3 Hours	Achieved
	Output all histories of OMDb and TMDb.	2 Hours	Achieved
	Test classes and methods	5 Hours	Achieved
New: As a user I want all GUIs to follow the same consistent colour scheme, so that the application in intuitive for user with lowered technical abilities.	Design a colour scheme to implement across all GUI screens.	3 Hours	Achieved
As a user I want a dashboard so that I can easily navigate the application.	Design a GUI Dashboard using the colour scheme.	2 Hours	Achieved
	Create Search Buttons that can link to OMDb and TMDb Search Gui's.	2 Hours	Achieved
	Test functionality of buttons.	3 Hours	Achieved
As a user I want a search screen for both OMDb and TMDb so that I can search using the previous searching parameters.	Design a GUI search screen for OMDb and TMDb using the colour scheme.	3 Hours	Achieved
	Implement text boxes to allow the user enter data for the OMDb search.	2 Hours	Achieved
	Implement text boxes to allow the user enter data for the TMDb search.	2 Hours	Achieved
	Links search buttons so that they take the data from the textboxes and passes them as the parameters needed to search the OMDb and TMDb. These parameters will be passed to the classes created previously.	4 Hours	Achieved
	Test all objects within the OMDb and TMDb Gui's to see if functionality works.	3 Hours	Achieved

Sprint Retrospect: (Starting, week 3: Monday 19thth November 2018)

Team Member:	What went well in the Sprint?	What could be improved?	What will we commit to improve in the next Sprint?
Brandon:	The use of database tables proved to be the best storage method for such a robust grouping of data.	Implementing a observer design pattern.	Further research into the design patterns which can improve our practice within coding our application.
Team Member 2:	The use of a database allowed us to access each data entry by unique item easily.	Global variable access need to be improved.	
Team Member 3:	All designed GUI's matched the colour scheme.		
Team Member 4:	The singleton design pattern worked well in providing us with a strategy for single use initiation.		

Sprint 4:

Refinement of Product Backlog: (Starting, week 4: Monday 19th November 2018)

Priority	Product Backlog Item; User Stories	Story Points Complexity, Risks and Effort (Time to complete): 0, 1, 1, 2, 3, 5, 8, 13, 21, 34	Business Value
1	As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	3	4
2	As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	3	5
3	As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	3	5

Sprint Planning: (Meeting Between Product Owner, Scrum Master and Team)

During this meeting we discussed the product owners backlog and took the top three user stories and created individual tasks and times for completion. Scheduled day for completion is Friday the 2nd of December; ready for the sprint review on Monday the 5th.

Sprint Backlog: 10 x 4 = 40hrs

Write about what has been included

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Time for Each User Story
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	Design a GUI Dashboard using the colour scheme.	3 Hours	12 Hours
	Link OMDb search screen to OMDb result screen.	3 Hours	
	pass the search results to OMDb result screen to display in labels.	3 Hours	
	Test functionality of buttons.	3 Hours	
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	Design a GUI Dashboard using the colour scheme.	3 Hours	13 Hours
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list.	2 Hours	
	Link to the wish list module and display results into a table.	2 Hours	
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui.	3 Hours	
	Test functionality of the wish list Gui.	3 Hours	
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	Design a GUI Dashboard using the colour scheme.	3 Hours	15 Hours
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb.	2 Hours	
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table.	2 Hours	
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui.	2 Hours	
	Implement a 'add to wishlist' used in the search classes to input into the wish list table.	3 Hours	
	Test functionality of the search logs Gui.	3 Hours	

Daily SCRUM Meeting: 1/4 (Starting, week 4: Tuesday 20th November 2018)

Meeting Q&A:

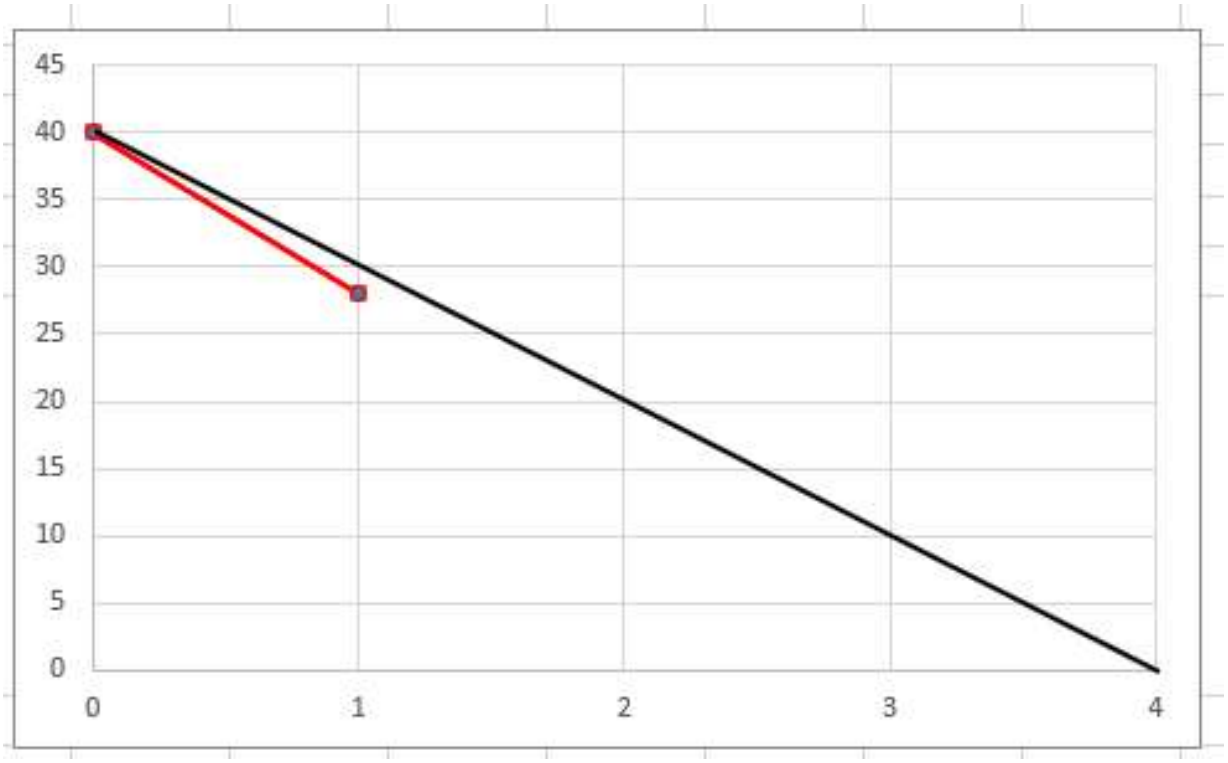
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Design a GUI Dashboard using the colour scheme. (3)	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	**N/A**
Team Member 2:	Link OMDb search screen to OMDb result screen. (3)	pass the search results to OMDb result screen to display in labels. (3)	**N/A**
Team Member 3:	Design a GUI Dashboard using the colour scheme. (3)	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2) Link to the wish list module and display results into a table. (2)	**N/A**
Team Member 4:	Design a GUI Dashboard using the colour scheme. (3)	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)	**N/A**

Progression Chart: (Starting, week 4: Tuesday 20th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	**Design a GUI Dashboard using the colour scheme. (3)**	✗	✓
	Link OMDb search screen to OMDb result screen. (3)	✗	✓
	pass the search results to OMDb result screen to display in labels. (3)	✓	✗
	Test functionality of buttons. (3)	✗	✗
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	**Design a GUI Dashboard using the colour scheme. (3)**	✗	✓
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2)	✓	✗
	Link to the wish list module and display results into a table. (2)	✓	✗
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	✗	✗
	Test functionality of the wish list Gui. (3)	✗	✗
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	**Design a GUI Dashboard using the colour scheme. (3)**	✗	✓
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	✓	✗
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)	✓	✗
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui. (2)	✓	✗
	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	✗	✗
	Test functionality of the search logs Gui. (3)	✗	✗

Burndown Chart: (Starting, week 4: Tuesday 20th November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 2/4 (Starting, week 4: Wednesday 21th November 2018)

Meeting Q&A:

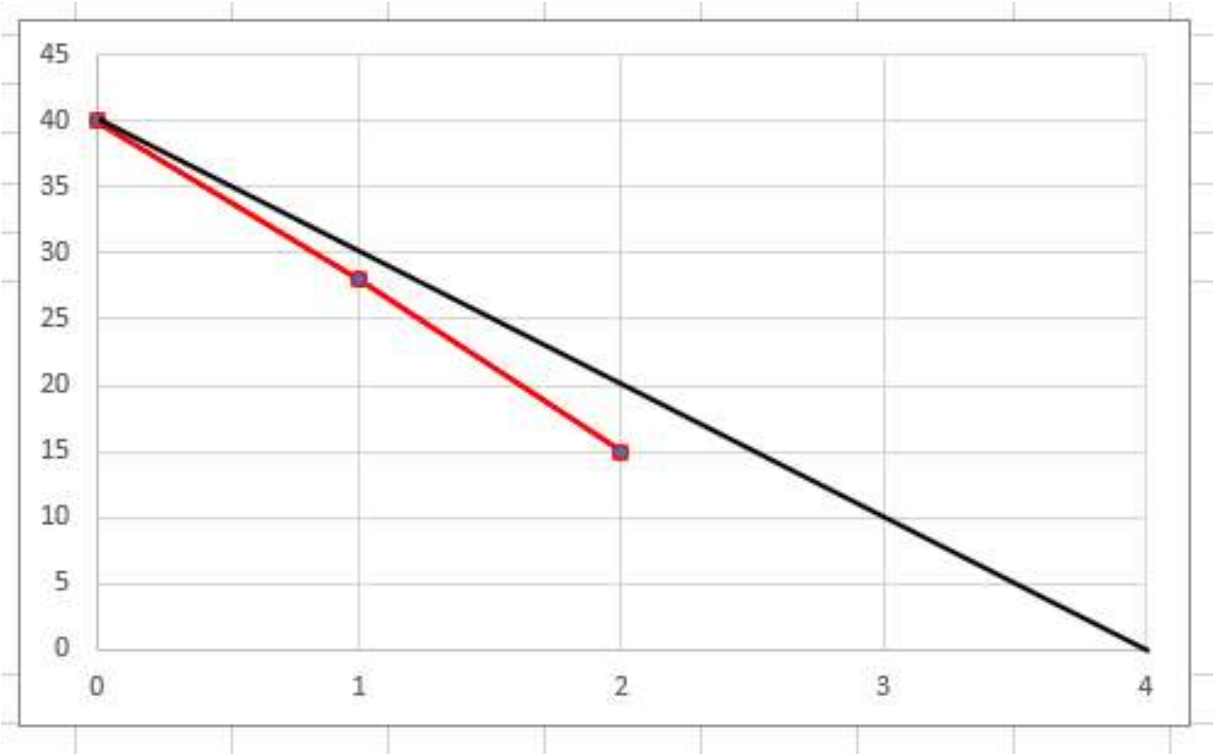
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	**N/A**
Team Member 2:	pass the search results to OMDb result screen to display in labels. (3)		**N/A**
Team Member 3:	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2) Link to the wish list module and display results into a table. (2)	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	**N/A**
Team Member 4:	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)		**N/A**

Progression Chart: (Starting, week 4: Wednesday 21th November 2018)

User Stories (Backlog)	To Do	In Progression	Done
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link OMDb search screen to OMDb result screen. (3)	✗	✓
	pass the search results to OMDb result screen to display in labels. (3)	✗	✓
	Test functionality of buttons. (3)	✗	✗
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2)	✗	✓
	Link to the wish list module and display results into a table. (2)	✗	✓
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	✓	✗
	Test functionality of the wish list Gui. (3)	✗	✗
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	✗	✓
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)	✗	✓
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui. (2)	✗	✓
	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	✓	✗
	Test functionality of the search logs Gui. (3)	✗	✗

Burndown Chart: (Starting, week 4: Wednesday 21th November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 3/4 (Starting, week 4: Thursday 22nd November 2018)

Meeting Q&A:

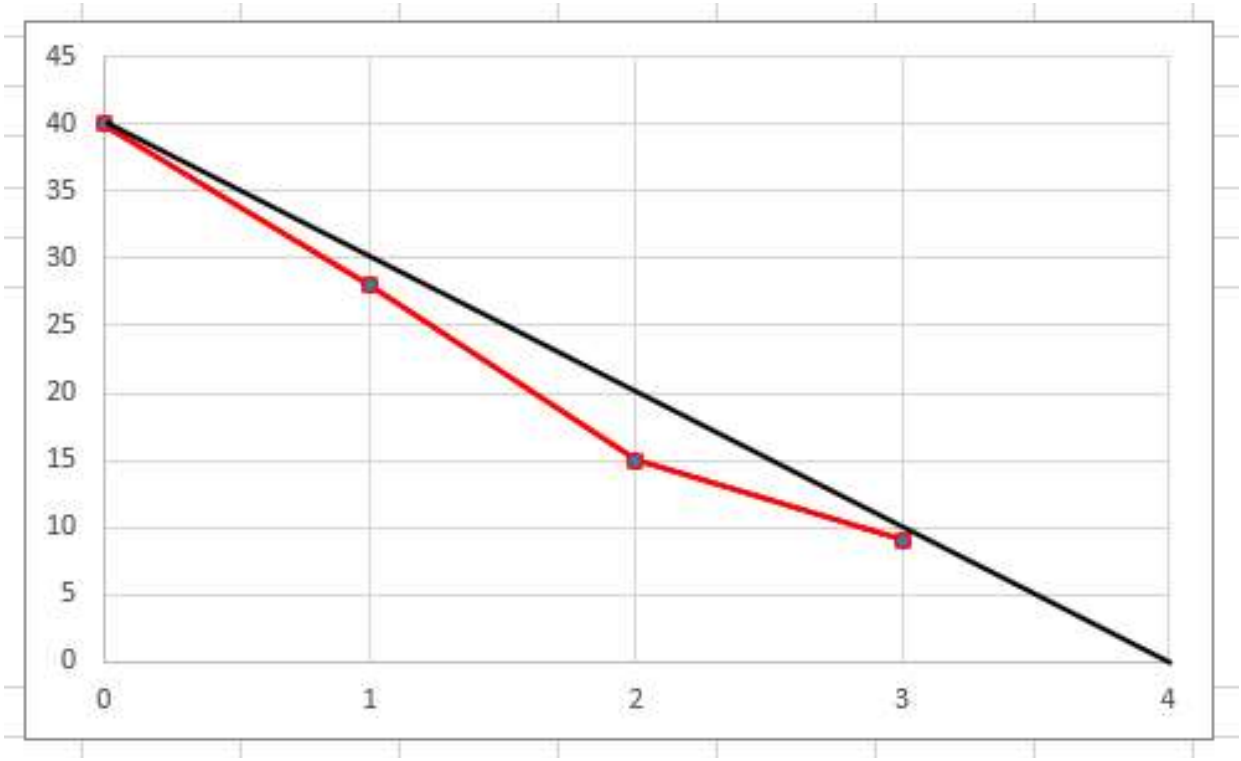
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	Test functionality of the wish list Gui. (3)	**N/A**
Team Member 2:			**N/A**
Team Member 3:	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	Test functionality of buttons. (3)	**N/A**
Team Member 4:		Test functionality of the search logs Gui. (3)	**N/A**

Progression Chart: (Starting, week 4: Thursday 22nd November 2018)

User Stories (Backlog)	To Do	In Progression	Done
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link OMDb search screen to OMDb result screen. (3)	✗	✓
	pass the search results to OMDb result screen to display in labels. (3)	✗	✓
	Test functionality of buttons. (3)	✓	✗
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2)	✗	✓
	Link to the wish list module and display results into a table. (2)	✗	✓
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	✗	✓
	Test functionality of the wish list Gui. (3)	✓	✗
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	✗	✓
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)	✗	✓
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui. (2)	✗	✓
	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	✗	✓
	Test functionality of the search logs Gui. (3)	✓	✗

Burndown Chart: (Starting, week 4: Thursday 22nd November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Daily SCRUM Meeting: 4/4 (Starting, week 4: Friday 23nd November 2018)

Meeting Q&A:

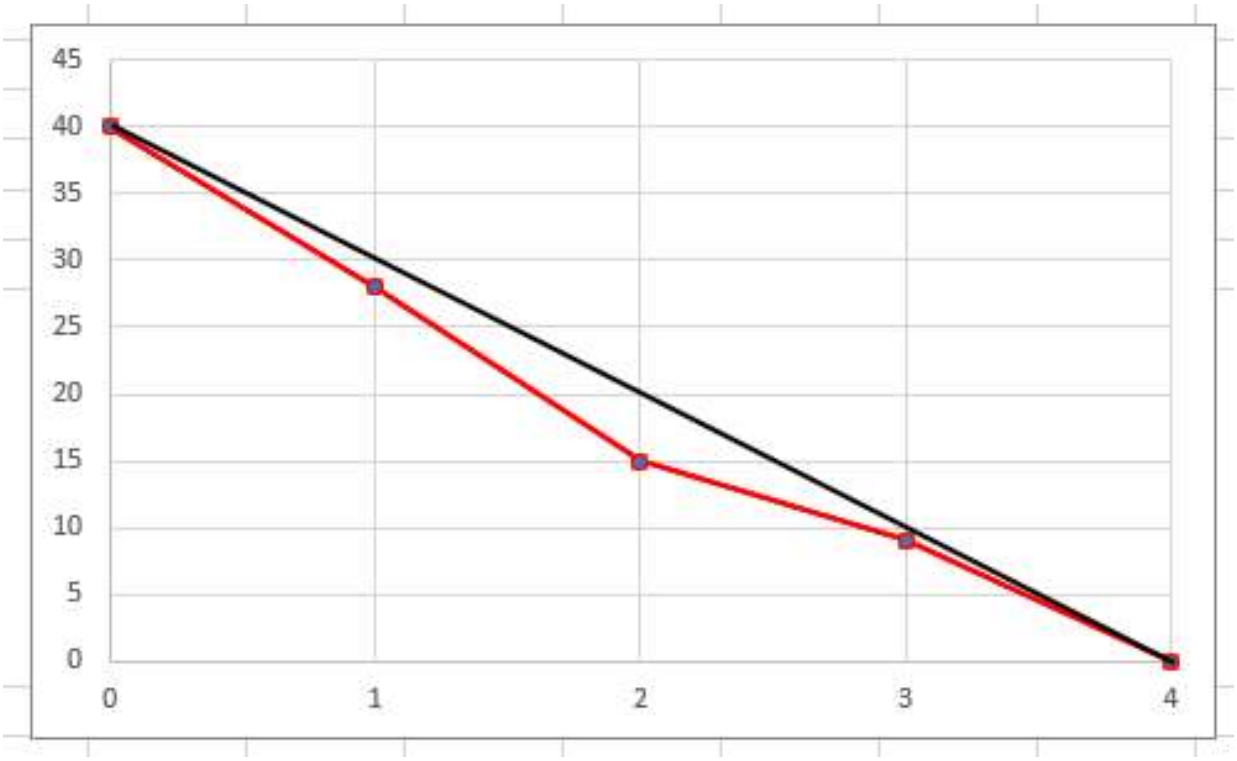
	What did I accomplish since the last daily scrum?	What do I plan to work on by the next daily scrum?	What are the obstacles or impediments that are preventing me from make progress?
Scrum Master/Team Member 1: (Me)	Test functionality of the wish list Gui. (3)	**Sprint 4 Complete**	
Team Member 2:		**Sprint 4 Complete**	
Team Member 3:	Test functionality of buttons. (3)	**Sprint 4 Complete**	
Team Member 4:	Test functionality of the search logs Gui. (3)	**Sprint 4 Completes**	

Progression Chart: (Starting, week 4: Friday 23nd November 2018)

User Stories (Backlog)	To Do	In Progression	Done
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link OMDb search screen to OMDb result screen. (3)	✗	✓
	pass the search results to OMDb result screen to display in labels. (3)	✗	✓
	Test functionality of buttons. (3)	✗	✓
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list. (2)	✗	✓
	Link to the wish list module and display results into a table. (2)	✗	✓
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui. (3)	✗	✓
	Test functionality of the wish list Gui. (3)	✗	✓
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	Design a GUI Dashboard using the colour scheme. (3)	✗	✓
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb. (2)	✗	✓
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table. (2)	✗	✓
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui. (2)	✗	✓
	Implement a 'add to wishlist' used in the search classes to input into the wish list table. (3)	✗	✓
	Test functionality of the search logs Gui. (3)	✗	✓

Burndown Chart: (Starting, week 4: Friday 23nd November 2018)

Red Line: Current hours of progression done each day. Black Line: Line for optimal progression.



Sprint Review: (Starting, week 4: Monday 26thth November 2018)

User Stories (Backlog)	Individual Tasks for Stories	Time for Each Task	Completed?
As a user I want a search result GUI display for both OMDb and TMDb so that I can see the returned movie.	Design a GUI Dashboard using the colour scheme.	3 Hours	Achieved
	Link OMDb search screen to OMDb result screen.	3 Hours	Achieved
	pass the search results to OMDb result screen to display in labels.	3 Hours	Achieved
	Test functionality of buttons.	3 Hours	Achieved
As a user I want to display all Wishlist items on a GUI screen so that I can see all the movies I intend on watching. **New:** As a user I want to be able to search and delete from the wish list.	Design a GUI Dashboard using the colour scheme.	3 Hours	Achieved
	Link the Dashboard Wishlist button to this gui so that when clicked, it opens the wish list.	2 Hours	Achieved
	Link to the wish list module and display results into a table.	2 Hours	Achieved
	Implement a Search and Delete function into the wish list class and assign it to appropriate buttons on the Gui.	3 Hours	Achieved
	Test functionality of the wish list Gui.	3 Hours	Achieved
As a use I want to display all Previously search movies on GUI display so that I can visit other films I may have forgotten about. **New:** As a user I want to be able to search, delete and add to the wish list from the search logs because I may forget.	Design a GUI Dashboard using the colour scheme.	3 Hours	Achieved
	Link the Dashboard Search logs button to this gui so that when clicked, it opens search logs from either OMDb or TMDb.	2 Hours	Achieved
	Link to the search log class to the gui so that either the OMDb or TMDb search logs from the database tables can be displayed into a table.	2 Hours	Achieved
	Implement a Search and Delete function into the search logs class and assign it to appropriate buttons on the Gui.	2 Hours	Achieved
	Implement a 'add to wishlist' used in the search classes to input into the wish list table.	3 Hours	Achieved
	Test functionality of the search logs Gui.	3 Hours	Achieved

Sprint Retrospect: (Starting, week 4: Monday 26thth November 2018)

Team Member:	What went well in the Sprint?	What could be improved?	What will we commit to improve in the next Sprint?
Brandon:	All designs correctly followed the colour scheme.	Communication of connecting all GUI screen to the main dashboard.	Communications between team members who worked on more complex programming task to be more involved in the merging of classes.
Team Member 2:	The implementation of singleton was used throughout all GUI class initiation.		
Team Member 3:	Test driven development has improved completion time due to reusing test strategies for similar GUI's.		
Team Member 4:	Accessing the database and being able to search and delete proved to be easy due to the configuration of the tables.		