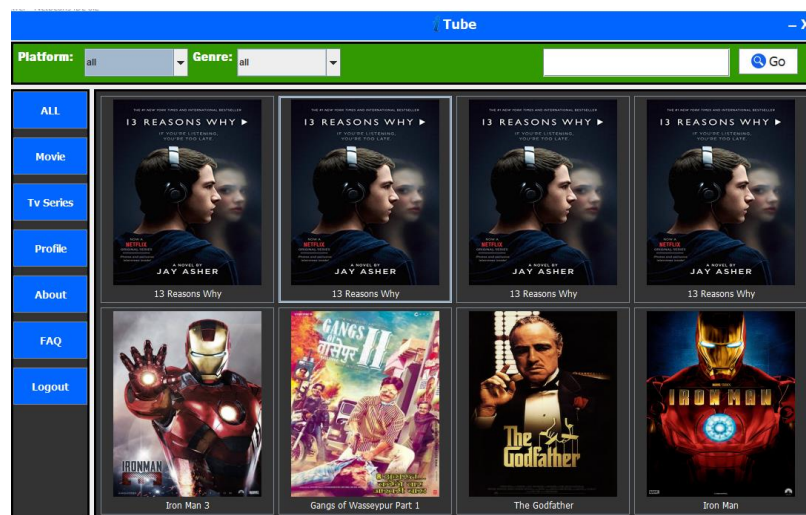# PROJECT REPORT

ONLINE MOVIE AND TV SERIES VIEWER

Introduction: The name of this project is 'Online Movie and TV Series Viewer'. This is a software that will play various kinds of video content (TV Series, Films etc.) to paying users. The main purpose of this software is to provide high-quality streaming of the latest multimedia content to the users, as well as provide up-to-date information regarding the various content present in the software.

Platform: This software was programmed using Java. The software was coded in Netbeans IDE. For the purpose of managing the database in the software, MySQL was used.
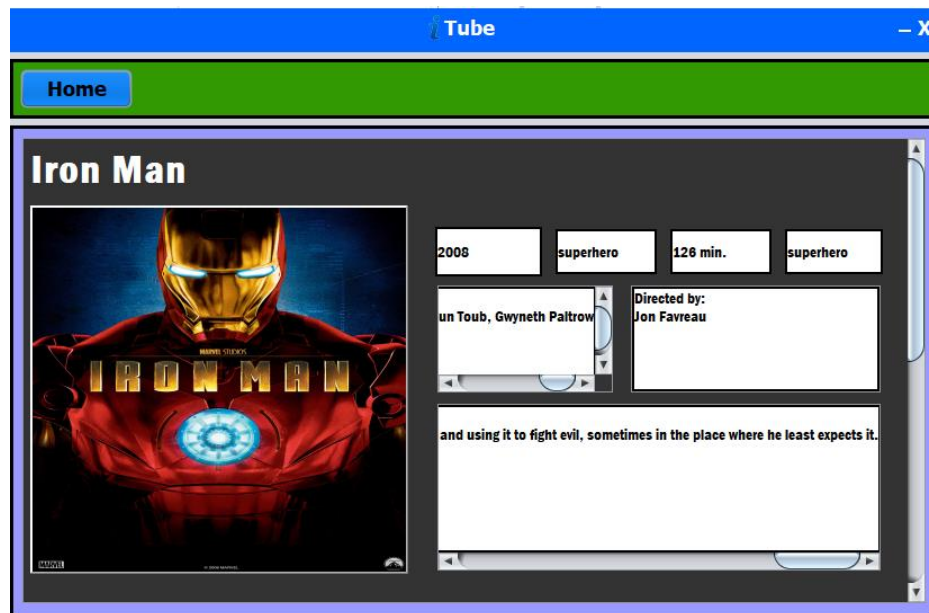
Features: This software is embedded with various unique features. All of the features that are present within the software can be categorized into two portions: (i) User-side features, (ii) Admin-side features.

(i) **User-side features:** A user can have access to these particular features of the software:

- A register page for opening a new account.
- A login page for logging into his/her account.

- The user home page, where the users would be able to view the latest content on display. Also, the users may view the content specifically according to platform/genre, if he/she chooses.

- A search bar to search for the content of his/her choice.

- A page for each individual content, displaying various information regarding the content (Runtime, Language, Cast, Genre etc.).
- An FAQ section for viewing the frequently asked questions, where users can find with ease the possible solutions to the problems they might encounter.
- An 'About' section displaying information regarding the creators of the software.

(ii) **Admin-side features:** The admins may have access to the following features within the software:
- A login page for logging into his/her account.

- The admin home page, where the admin may run the admin panel.

- Uploading new Movies/TV series to the software.

- Sending the activation code to complete activation of accounts of users.
- Updating/deleting the movie/tv series content.
- Deleting unwanted users.
- Promoting preferred users to admin.
- Posting FAQ questions in the FAQ page.

ERD Diagram:

Tables:

admin_data

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change ⊖ Drop 🔑 Primary ▾ More
2	uname 🔑	varchar(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
3	email 🔑	varchar(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
4	mobile	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
5	password	varchar(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
6	country	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
7	gender	char(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More
8	type	varchar(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary ▾ More

Content

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(100)			No	None		AUTO_INCREMENT	🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
2	name	varchar(100)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
3	genre	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
4	language	varchar(50)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
5	cast	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
6	synopsis	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
7	rating	double(3,1)			No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
8	covers	mediumblob			No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
9	iframe_link	text	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
10	release_date	int(50)			No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More
11	content_type	varchar(100)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique 📑 Index 🔲 Spatial ▾ More

Content_movie

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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2	directed_by	varchar(100)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique ▾ More
3	runtime	int(100)			No	None			🖉 Change ⊖ Drop 🔑 Primary 🔱 Unique ▾ More

Content_tv

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	tv_series_id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change ⊖ Drop ▾ More
2	content_id 🔑	int(11)			No	None			🖉 Change ⊖ Drop ▾ More
3	no_of_seasons	int(100)			No	None			🖉 Change ⊖ Drop ▾ More
4	show_runner	varchar(100)	latin1_swedish_ci		No	None			🖉 Change ⊖ Drop ▾ More

Content_tv_seasons

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	▼ More
☐	2	name	varchar(100)	latin1_swedish_ci		No	None			🖉 Change	⊖ Drop	▼ More
☐	3	no_of_episodes	int(11)			No	None			🖉 Change	⊖ Drop	▼ More
☐	4	tv_Series_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	▼ More

Content_tv_episodes

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	▼ More
☐	2	name	varchar(100)	latin1_swedish_ci		No	None			🖉 Change	⊖ Drop	▼ More
☐	3	runtime	int(11)			No	None			🖉 Change	⊖ Drop	▼ More
☐	4	tv_series_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	▼ More
☐	5	tv_season_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	▼ More

Future: There are several plans to implement new features to the software, as well as update existing ones. Some of these include:
- Enabling better-quality, high-definition video clips to be played.
- An advanced search technique that will help users search for content in a more custom manner.
- Ability to send help messages to the admin. The admins would also be able to reply to the same.
- Additional payment methods through mastercard, payza etc.
- Free trial period for the first seven days, for newly registered users.
- Ability to view trailers along with the main content.

Conclusion: The software that has been developed is a quality software of its kind. It intends to provide the users with the best viewing experience of high-quality content at affordable costs. However, there are also plans to upgrade the software in the future so as to increase the quality of the overall experience, through upgrade and addition of various features. There are also plans to bring this software to the web in future. All in all, this software will continue to provide increasingly top-notch service to its users in the years to come