Agile Group Project

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# Introduction

The key goal of this project is to develop a web application agile / scrum. named Movie Search application. In this application in order to serialize data into JSON Format Newtonsoft.Json library will be used. JSON plays a very important role in our computer system today and we can claim that JSON is replacing XML every day, but XML has its own importance and JSON will never be an alternative to XML.

With the help of this application user can search any movie by access the API from the Movie db: <https://api.themoviedb.org/3/search/movie?api_key=a3bdaae66f8cf705750820e17c0e9471&query=>. In this app there are two main screens one is Home screen and second screen is detail screen where movie release date, name, rating and description can be seen

# Project Members

In order to increase the effectiveness of the application, five team members are participating in a different role that is given in the below table:

|  |  |
| --- | --- |
| Name of team Member | Role |
| Komal | Team Leader |
| Kirandeep Kaur | Front End Developer |
| Ranjit Kaur | Web Designer |
| Malkeet Singh | Back End Developer (API) |
| Rishani | Application Tester |

# Gantt Chart

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Stages** | **Activities** | **Duration**  **Week1-2** | | | | **Duration**  **Week-2-3** | | | | | **Duration**  **Week-3-4** | | | | |
| Project Planning | Research |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Start of Meeting |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Proposal and documentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Execution | Application Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UI Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| coding |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Final | Documentation and Report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Agile Methodology

Agile methodology is a type of project management process, mainly used for software development, where demands and solutions evolve through the collaborative effort of self-organizing and cross-functional teams and their customers

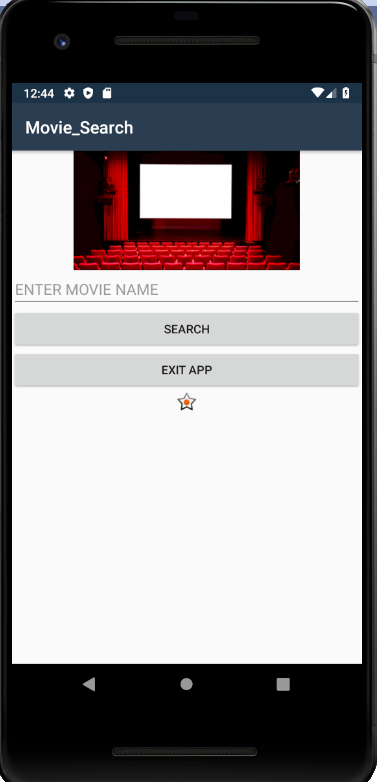
The Agile approach is used in this project as an alternative to traditional methods. This highly efficient and pragmatic strategic approach addresses the changing needs of technology.

In this project, our group used the agile / scrum approach. At the beginning, the team members define and fulfil all criteria. The team then decided to implement the special feature of the Movie Search application in order to meet the needs of users.

# Pages and Mock-ups

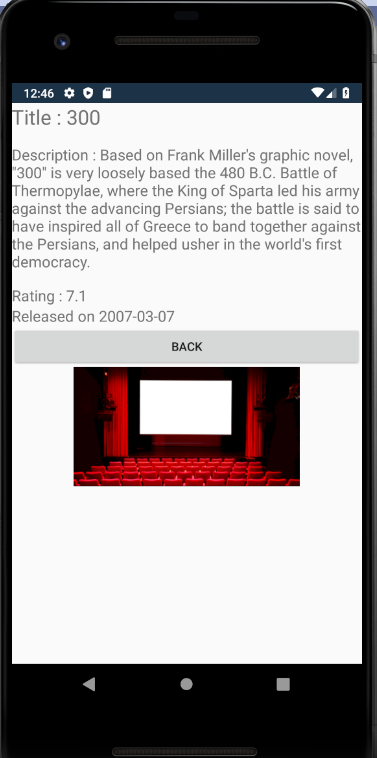
## Home Page

This is the main page of the application. With the help of this page user can search for movies of their choice. User needs to enter the name of the movie and click on search button to search.



# Detail Page

With the help of this page user can read the whole details related to the movie. When user click on the movie in the home page, it will lead to the detail page.



# Testing

Because of the limited time available, we have just carried out the project usability check which can be found at [usability test.xlsx](usability%20test.xlsx)

# Conclusion and future Work

In brief, this project is based on an agile scrum approach, in which the IT group created the Android movie search application.

In future this application can be extended by adding data at the backend so that user can register and store their favourite movies. Login system can be added to make it more secure