

CSCI 2040U - Software Design and Analysis

Phase 2 - Minimum Viable Product

Company	TernOps
Members	Matteo De Angelis Geraldo, Ryan Coones, Tomasz Puzio, Erica Patel, Nolan Tsang
Domain	Celebrity Biographies & their Achievements

Project Overview

Project name	TernOps
Purpose & Scope	TernOps is a project created by Matteo De Angelis Geraldo, Ryan Coones, Tomasz Puzio, Erica Patel and Nolan Tsang. The project is a catalogue of celebrity biographies, which will help users understand fame and success while preserving stories that resonate with people. It will capture the lives of influential figures in fields like entertainment, sports, and politics, providing a reliable resource for scholars, journalists, and fans. Celebrities serve as role models, inspiring people and greatly shaping public opinion. A catalogue helps track the influence and relevance of certain figures, providing a deeper understanding of various fields or industries.

MVP Functionality & Overview

Iteration 1 summary

Iteration 1 consisted of building a lot of basic groundwork for TernOps, which we can and will build upon in later iterations. As of iteration 1, functionalities such as the add, edit, delete, login, logout, and register have all been added, all were a must-have priority. As of the end of iteration 1, a simple GUI that contains buttons for the functions listed above has been created; this is excellent groundwork for iteration 2, in which we will be building on the GUI, adding more functions like search, filter, and browse. Since, it was only the first iteration, the limitation of the MVP was the full biography was not viewable, only basic information. Full biographies and additional information such as awards and achievements will be added throughout iterations 2 and 3. Also, functionality for editing celebrity profiles has not yet been integrated with the GUI, which will be coming in iteration 2.

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Implemented user stories

Implemented user stories for iteration 1 include,

- As a user, I want to be able to log in, so that I have access to more features of the catalogue, like favouriting.
- As a user, I want to be able to delete information if it is irrelevant or incorrect, so the information is kept recent and correct.
- As a user, I want to be able to edit the existing information on celebrities, so that the biography of the celebrity is accurate and up to date.
- As a user, I want to be able to add new celebrities to the database so the database keeps up with the growth of industries and the emergence of new famous people.
- As a user, I want to have a user-friendly interface so I can easily interact with the application and see the information on a visually appealing medium.
- As a user, I want a dedicated button to create an account/login/sign out so I can log in/out with ease.

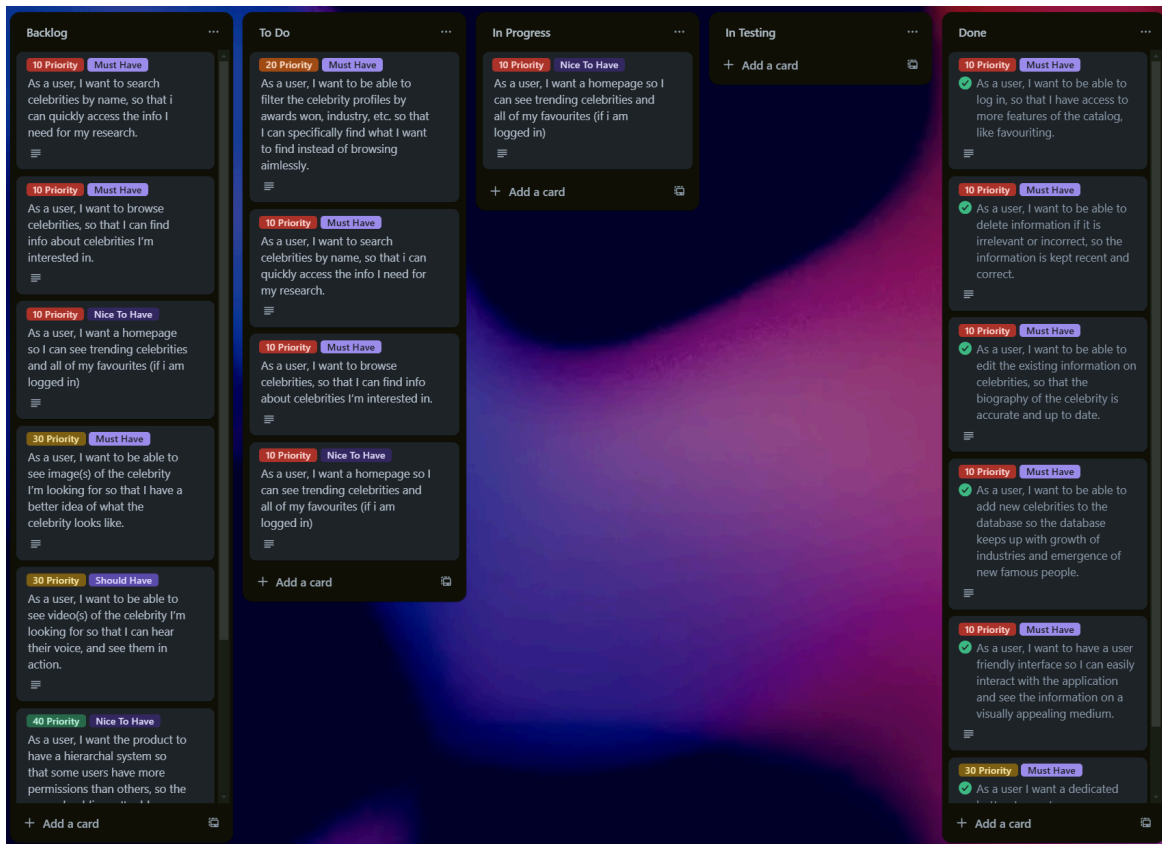
Demonstration

The demo video can be found [here](#).

The GitHub repo link can be found [here](#).

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Screenshot of our Trello Board

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Phase 2 - Minimum Viable Product

Challenges & Next Steps

Major Technical or process-related challenges

Briefly document any major technical or process-related challenges encountered. Throughout iteration 1, we didn't face many process-related challenges, but we did encounter some technical challenges, all of which have since been solved. Some technical challenges we faced included problems with CustomTkinter, in which it would occasionally mess up the placement of GUI elements, and the scrollableFrame being squished. This issue was solved by trial and error, mixed with reading through Python documentation. Designing the system so that certain functions were restricted based on whether the user was logged in or not was another challenge we faced. This issue was solved by researching different solutions, which ended up involving returning a boolean value representing whether the user is logged in or not, and making the default account "guest".

Goals for Iteration 2

Outline goals for the next iteration based on feedback and project priorities. Iteration 2 consists of adding deeper functionality to the groundwork that we laid during iteration 1. By the end of iteration 2 we expect to have functionality for filtering celebrity profiles by awards won, industry, age, etc. We will also have search, browse, and trending celebrity functionalities implemented. Iteration 2 consists of a lot of functions that require more information about each celebrity to be added, meaning we will also have a larger and more robust database consisting of more information than the basic information we have now (i.e. birthdate, name, image), to allow for better browsing, searching and filtering.