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| Technological University Dublin |
| Journ.ie |
| *“Memory is the diary we all carry about with us.” – Oscar Wilde* |

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| C20305696 Lovely Fernandez  7-7-2024 |

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# Abstract

This report serves to document the process of ‘*Journ.ie*’ from concept to the final product, highlighting critical aspects of each development phase. It includes a summary of product management, web application design principles, and software quality testing methodologies applied, as well as seamless deployment strategies and the utilisation of various technologies and programming languages. Additionally, a demonstration video showcasing the functionality and features of *Journ.ie* is provided via a YouTube link.

*Please find further information about the web application's code and documentation on GitHub at the following links:*

1. *Code and Development:* <https://github.com/Journ-ie/Application>
2. *Documentation:* <https://github.com/Journ-ie/Documentation>
3. *Project Planning:* <https://github.com/orgs/Journ-ie/projects/1/views/7>

# About Journ.ie

## Product Vision

Journ.ie is a unique web application designed as a journaling platform where individuals can document moments they wish to preserve and treasure—a digital archive for capturing significant milestones and memories. This platform supports the art of personal posting and offers tools for organising life's moments meaningfully.

Unlike traditional social media platforms, Journ.ie prioritises providing a safe environment for individuals to focus on their achievements, growth, and reflections without the pressure of public exposure.

With Journ.ie, users can track their personal growth over time, revisit memories, and reflect on their experiences in a meaningful way. Journ.ie empowers individuals to connect with themselves at a deeper level—supporting users through personal healing, fostering personal growth, and actively pursuing their life goals.

## Focus Group

The primary users are adults between the ages of 20 and 35, who are navigating the early stages of their lives and seeking self-growth and development. They have a strong desire for purpose, self-improvement, and a significant emphasis on traveling.

*“Nearly 3 in 5 young adults (58%) reported that they lacked “meaning or purpose” in their lives in the previous month. Half of young adults reported that their mental health was negatively influenced by “not knowing what to do with my life… Forty-five percent (45%) of young adults reported that a general "sense that things are falling apart” was impairing their mental health.” -* ( On Edge: Understanding and Preventing Young Adults’ Mental Health Challenges, 2023)

# Product Management

## Identity

|  |  |
| --- | --- |
|  | "*Journ.ie*" originates from the concept of journaling one's thoughts throughout their journey. The "ie" is a play on words, referencing Ireland, where the website was developed from.  Additionally, Celtic designs are incorporated to honour the country's rich history and cultural heritage. |

## Palette

To create a calming and serene colour palette for Journ.ie, supporting its mission of inner reflection and journaling, soft pastel shades and earthy tones have been chosen. This palette evokes a sense of calm, serenity, and positivity, enhancing the therapeutic experience of journaling and emotional exploration.

A pink and white background with black text

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*Figure 01. Colour Palette (Suggested by ChatGPT)*

## Requirements

|  |  |
| --- | --- |
| **Functional** | |
| User Authentication and Authorisation | Enable users to create personalised accounts to securely store and access their journal across devices. |
| Digital Journaling Tools | Create and manage journal entries, incorporating text, photos, videos, and various multimedia elements. |
| Mood Tracking | Add mood or emotional state on journal entries. |
| Timeline and Progress Tracker | Track personal growth and achievements over time using timeline and goal-setting tools. |
| Search and Organisation Tools | Navigate and manage entries efficiently with tags, categories, and filters. |
| Location Tagging | Specify the location of the journal entry or the content within. |
| **Non-Functional** | |
| Usability | * Aim to create a user-friendly interface – UI is a high importance to improve UX. * Accessible to users with different technology skills   + Technical Skills Levels   + Accessibility Types |
| Compatibility | * The website should be dynamic and work on major screen types, with a primary focus on mobile and web screens. |
| Security | * User data should be secured and sensitive data to be encrypted where necessary. |

# Project Management

In my project planning and management approach, I utilise Agile methodologies, conducting bi-weekly Friday reviews and employing SCRUM practices. This strategy ensures continuous improvement, effective task prioritisation, and a steady workflow.

## Milestones

A close-up of a screen

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*Figure 02. Milestones (Miro)*

|  |  |
| --- | --- |
| Project and Product Planning | 08 July – 15 July |
| Web Application Design | 16 July – 20 July |
| Product Development | 21 July – 03 August |
| Testing | 04 August – 05 August |
| Product Development Review | 06 August – 09 August |
| Testing 2 | 10 August |
| Product Development Final Review | 11 August |
| Deployment | 12 August – 13 August |
| Documentation, Code & Video Submission | 14 August – 18 August |
| Deadline | 31 August |

## Task Distribution

GitHub Issue Boards offer a flexible platform for managing development workflows and task distribution through a visual interface that aligns with agile project management methodologies.

See *Figure 03* for an overview of how I effectively distributed and tracked tasks:

|  |  |
| --- | --- |
| **To Do (Backlog)**  All tasks and stories for the upcoming iteration are added to this column. It acts as the planning area where tasks are sorted by priority. | **In Progress**  Tasks are moved to this column when they are being worked on. This helps keep track of active tasks and ensures focus on the goal of completing the iteration. |
| **Review & Testing** Testing whilst developing is crucial as it catches early errors, reducing the burden during the testing phase. This stage ensures the work meets the desired standards and functions as intended. | **Done** Completed tasks are moved to this column. ‘Done’ provides a clear view of the project’s progress and achievements, helping maintain motivation and momentum. |

A screenshot of a computer

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*Figure 03. Issue Board (GitHub Project)*

# Web Application Design

* Use Case Diagram
* Class Diagram
* Sequence Diagram
* Database Diagram
* GUI Prototype (figma, visual focus on UX UI improvements)
  + Logo Motto Palette (2) and name
* Sitemap (flowmapp, structure of web – relations of pages, purpose/content, network, etc.) (1)

# Software Quality Testing

* Testing Document w Scenarios
  + UI
  + Features
* Non-Technical, Technical & Young, Old
* Interviews/Questionnaire

# Deployment

* Read.me @ Github Application
* But provide it here too (summarised)

# Programming Technologies and Languages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Project/Product Management | GitHub Logo and symbol, meaning, history, PNG, brand |  |  |  |
| Front-End | Html Logo Vector Art, Icons, and Graphics for Free Download | Free High-Quality CSS Logo for Creative Design | JavaScript PNG, Transparent JS Logo Free Download - Free Transparent PNG  Logos | React JS |
| Back-End |  | Firebase Brand Guidelines |  |  |
| Web Development |  |  | UML Tools - Javatpoint |  |
| Deployment | Firebase Hosting - Javatpoint |  |  |  |

# Demonstration

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| < Placeholder: Visual Map of what will be demonstrated > |

*Please find the demonstration video on YouTube via the following link:*

< <http://www.youtube.com/sample-video> >

# References

* Education, H. G. (2023). *On Edge: Understanding and Preventing Young Adults’ Mental Health Challenges*. Retrieved from Making Caring Common Project: https://mcc.gse.harvard.edu/reports/on-edge