

## Project Proposal: **Daily Mood Tracker**

### Background

The project is being undertaken to address the need for a user-friendly desktop application that allows users to track their daily moods, store this data, and visualize it through statistics and plots. With an increasing focus on mental health and well-being, there is a growing demand for tools that help individuals monitor and understand their emotional states over time.

### Objectives

1. **Develop a Windows Forms desktop application:** Create a user-friendly mood tracking application using Windows Forms in C# that allows users to input their daily moods.
2. **Data storage and management:** Implement a data storage model that securely stores users' mood data, making it available for future reference and analysis.
3. **Data visualization:** Design a feature to generate visual plots and statistics based on the collected mood data, providing users with insights into their emotional trends.

### Scope

The end result of the project will be a fully functional desktop mood tracker application that provides the following features:

- User interface for selecting and recording daily moods.
- Secure data storage and retrieval for mood records.
- Mood data visualization, including plots and statistics over time.

### Timeframe

	Task	Start and End Dates
Phase One	Project Initiation (Including documentation)	23.10.23-28.10.23
Phase Two	User Interface and Data Storage Implementation	28.10.23-01.11.23
Phase Three	Data Visualization and Statistics	01.11.23-08.11.23
Phase Four	Documentation and Finalization	08.11.23-12.11.23

### Description of phases

#### *Phase One: Project Initiation*

- Define project objectives and requirements.
- Create a project schedule.
- Identify key stakeholders and roles.
- Develop the project proposal.

#### *Phase Two: User Interface and Data Storage*

- Develop the user interface for mood selection and data entry.
- Implement data storage mechanisms to securely save user mood records.

#### *Phase Three: Data Visualization and Statistics*

- Design and implement mood data visualization features.
- Incorporate statistical analysis of mood data.
- Perform testing and bug fixes.

#### *Phase Four: Documentation and Finalization*

- Create user documentation and user guides.
- Perform quality assurance and testing.
- Prepare for project deployment.

### **Key Developers**

C# Developer	Ustinova Liubov
UI/UX and Documentation Developer	Katsiaryna Petukhova

### **Monitoring and Evaluation**

Progress will be evaluated throughout the project using the following indicators:

- Regular project meetings to assess progress and address any issues.
- Manual testing for each project phase.
- Verification of project objectives and requirements.

At the end of the project, an evaluation will be conducted to ensure that all project objectives have been met, and the application functions as intended.

### **Approval Signatures**

Chen-Wan Lin, Project Supervisor (Subject Lecturer)	Katsiaryna Petukhova, UI/UX and Documentation Developer	Ustinova Liubov, C# Developer
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