

# Presentation of the Core Architecture

Introduction

Mykhailo Niedielkov – 2001321095 – Developer 2

# Key Features:

## **Vacation Planner:**

- Users can create and organize their vacation plans, including activities and places to visit.
- Detailed features such as travel priorities, booking deadlines, and trip reminders.
- Create, edit, and delete leisure plans and activities.

## **Relaxation Assistance**

- Integrated relaxation module with tips, meditation exercises, and leisure techniques.
- Recommendations for stress-free activities and enjoyable experiences during the vacation.

## **Plan Sharing:**

- Ability to share vacation plans with friends, family, or travel companions.
- Built-in comments and chat for discussing travel ideas and coordinating activities.

# Technical Architecture with MVVM:

## Frontend - MVVM Pattern:

- Model: Manages data and business logic.
- View: Represents the UI.
- ViewModel: Intermediary for data flow and user input.

## Backend:

- Kotlin, Java, Swing (For IOS).

## Security:

- ViewModel ensures secure data handling with encryption protocols.

## AI Integration:

- AI algorithms integrated into the ViewModel for personalized recommendations.

# Advantages:

## Comprehensive Leisure Management:

- Covers vacation planning, relaxation, and experience tracking in one application.

## Easy Sharing:

- Enables users to easily share their vacation plans and collaborate on creating memorable experiences.

## Analysis and Optimization:

- Provides statistics and analyses for a better understanding of leisure preferences.

# Conclusion:

- Vacation Plans and Experiences not only provides tools for planning a relaxing getaway but also supports users in creating memorable moments and optimizing their leisure time.
- With this app, anyone can achieve a more balanced and enjoyable lifestyle, having comprehensive support for planning and experiencing leisure activities.