

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS

Filip Łapiński

Adam Oporski

Gabriela Jastrzębska

# FUNCTIONAL REQUIREMENTS

- **User login and registration:** Users should be able to create an account and log in securely to access their saved routes, preferences, and other personalized features.
- **Adding and editing route points:** Users can add and modify points of interest along their route, helping them customize their journey based on specific locations they wish to visit.
- **Adding friends and sharing routes:** The platform allows users to connect with friends and share their routes, enabling shared travel planning.



# FUNCTIONAL REQUIREMENTS

- **Multi-user editing:** Users can collaborate on route planning by allowing multiple users to edit a single route, ideal for group trip planning.
- **Route search:** Users can search for existing routes based on destinations, interests, or keywords, helping them find suitable routes quickly and easily.
- **Recommendations:** Users can discover suggested routes and recommendations based on user preferences and popular trends.



# FUNCTIONAL REQUIREMENTS

- **Upvotes and downvotes:** Users can rate routes, tips, landmarks by upvoting or downvoting, allowing high-quality routes to be more visible and helping others identify the best options.
- **Offline access:** Users can download their routes and essential travel information offline, allowing them to navigate even without an internet connection.
- **Premium features:** Premium users enjoy an ad-free experience and access to advanced features that support extended customization and better planning tools.



# NON-FUNCTIONAL REQUIREMENTS

- **Limited animations and simple interface:** The interface should use minimal animations and remain simple, ensuring quick load times and smooth performance, even on slower internet connections.
- **Support for computers and mobile devices:** The platform should be compatible with both desktop computers and mobile devices, providing a seamless user experience across various screen sizes and operating systems.



# NON-FUNCTIONAL REQUIREMENTS

- **Integration with mapping API:** The system integrates with Google Maps JavaScript API and Google Maps SDK to enrich route planning with external data and real-time navigation, providing users with a seamless experience.
- **Encryption:** All sensitive user data, including login credentials and personal information, must be encrypted during transmission and storage to maintain data security and protect user privacy.



THANK YOU  
FOR YOUR  
ATTENTION

Filip Łapiński  
Adam Oporski  
Gabriela Jastrzębska