

TALLINN UNIVERSITY OF TECHNOLOGY  
School of Information Technologies

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# **THRIFTY TRAVEL - TRAVEL EXPENSE TRACKER**

Home project in subject Web Applications with C# (ICD0024)

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## Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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## **2. Introduction**

In an increasingly interconnected world, travel has become an integral part of our lives, whether for leisure or business purposes. However, the process of tracking expenses while traveling can often be tedious, leading to frustration and inefficiency. Additionally, there exists a wealth of valuable information within travelers' notes and experiences that could benefit others planning similar trips or seeking budget-friendly destinations.

Recognizing these challenges and opportunities, the Travel Expense Tracker project aims to develop a user-friendly web application to streamline expense tracking during travel while also leveraging user-generated content to enhance future travel planning. By facilitating expense tracking and sharing travel insights, we aspire to empower travelers to make more informed decisions and maximize their experiences while minimizing financial stress.

## **3. User Experience**

For travelers who want to easily track their expenses, the application provides a seamless interface for inputting and categorizing expenses such as transportation, accommodation, dining, and activities. Moreover, if you plan to travel with your friends or family, the application supports tracking expenses for one trip from several people, simplifying group expense management. Additionally, users can enhance their expense records by adding photos and descriptions for each expenditure, creating a comprehensive travel log.

On the other hand, for those planning their trip, the Travel Expense Tracker offers a valuable resource for budget planning. Users can explore user-contributed travels on the app categorized by travel types such as backpacking or culinary adventures, or simply search by their desired destination. By reviewing similar trips' budgets, users can gain insights into expected expenses and plan accordingly, ensuring a more informed and financially prudent travel experience.

## 4. Entity Relationship Diagram

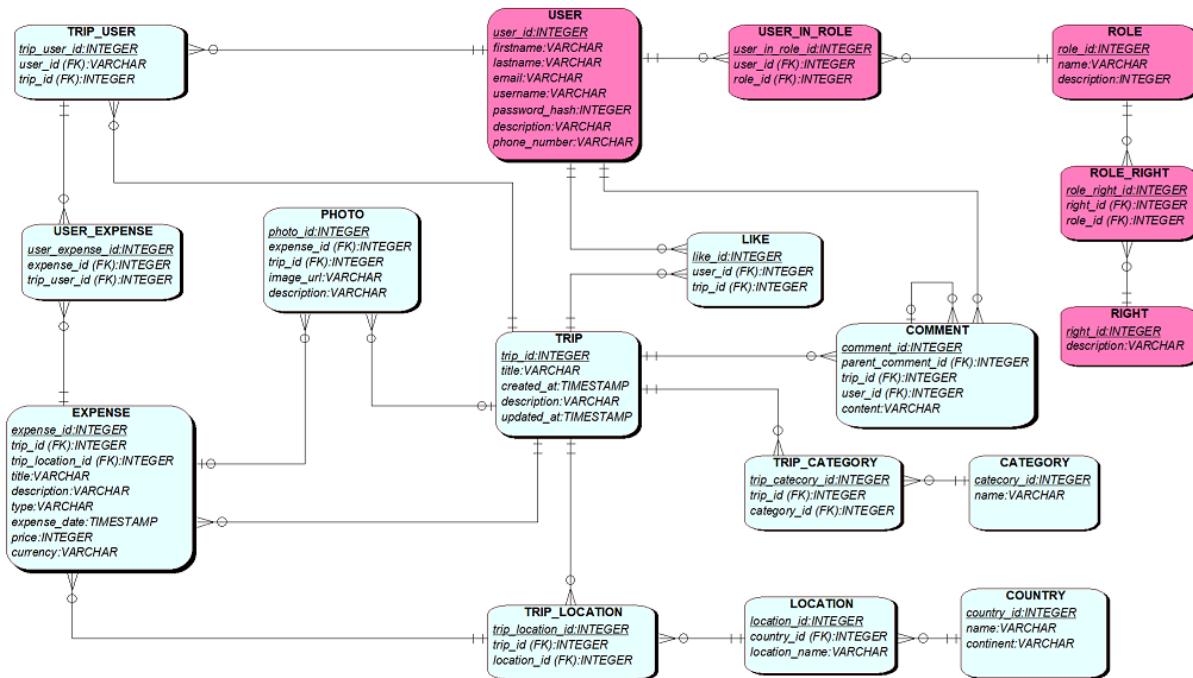


Figure 1. Entity Relationship Diagram

## 5. Screen Sketches

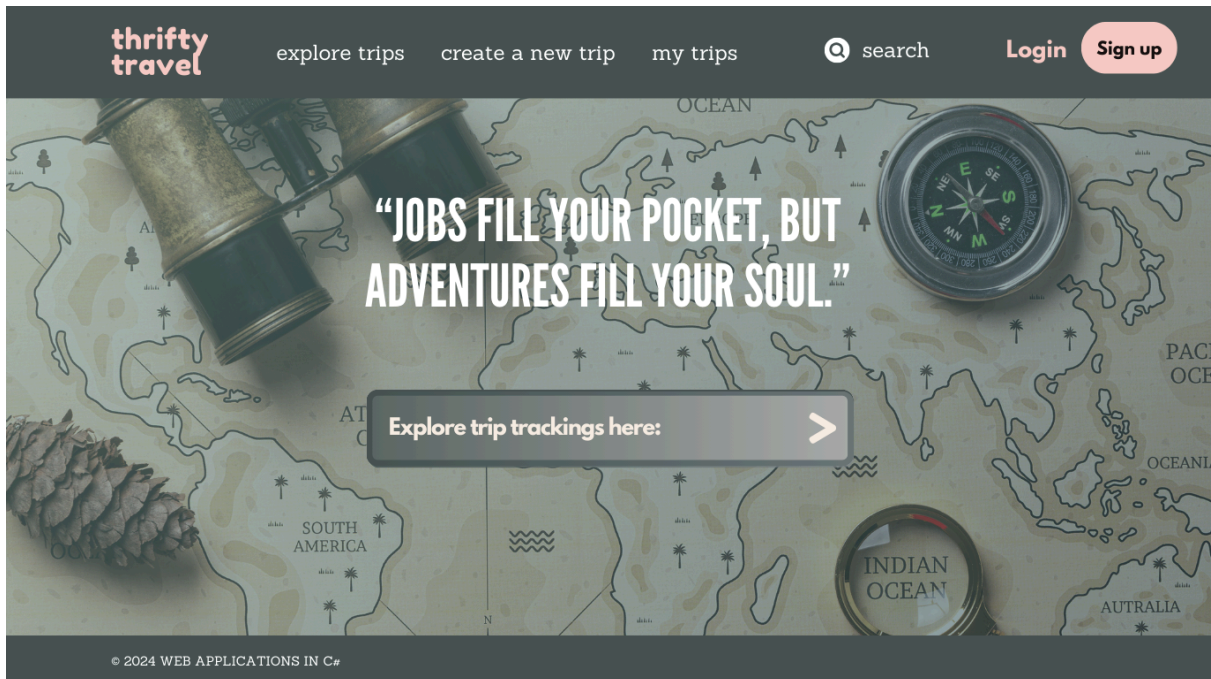


Figure 2. Homepage if the user has not signed in.

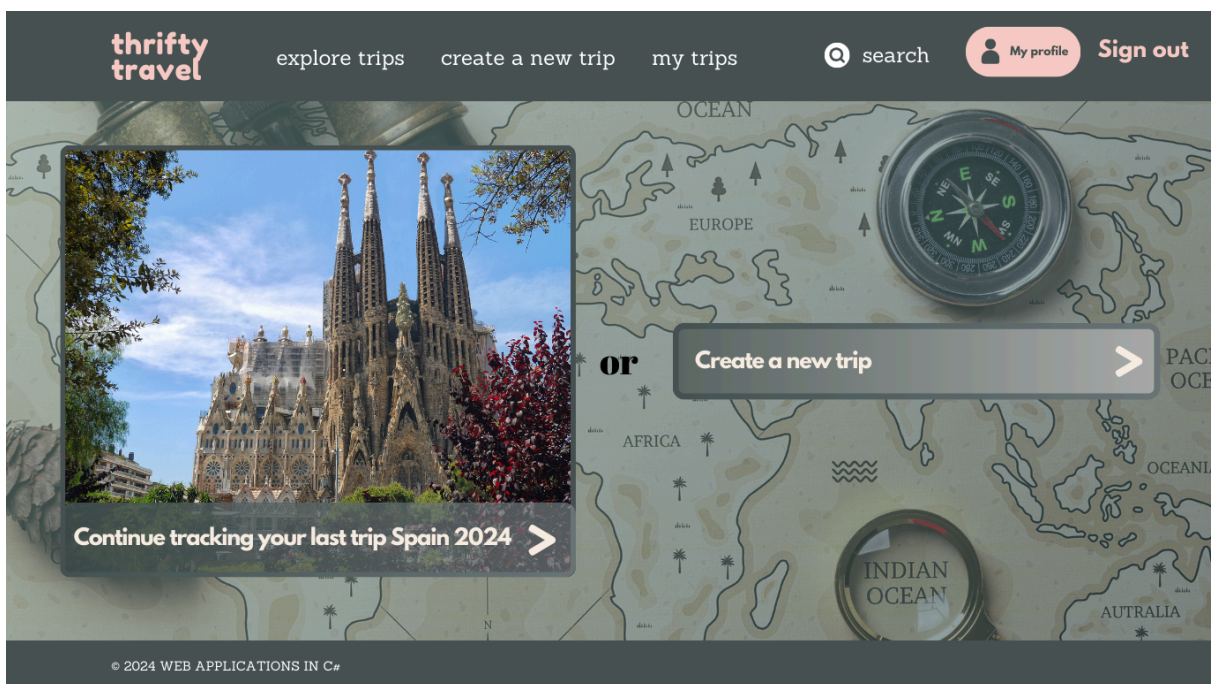


Figure 3. Homepage if the user has signed in.

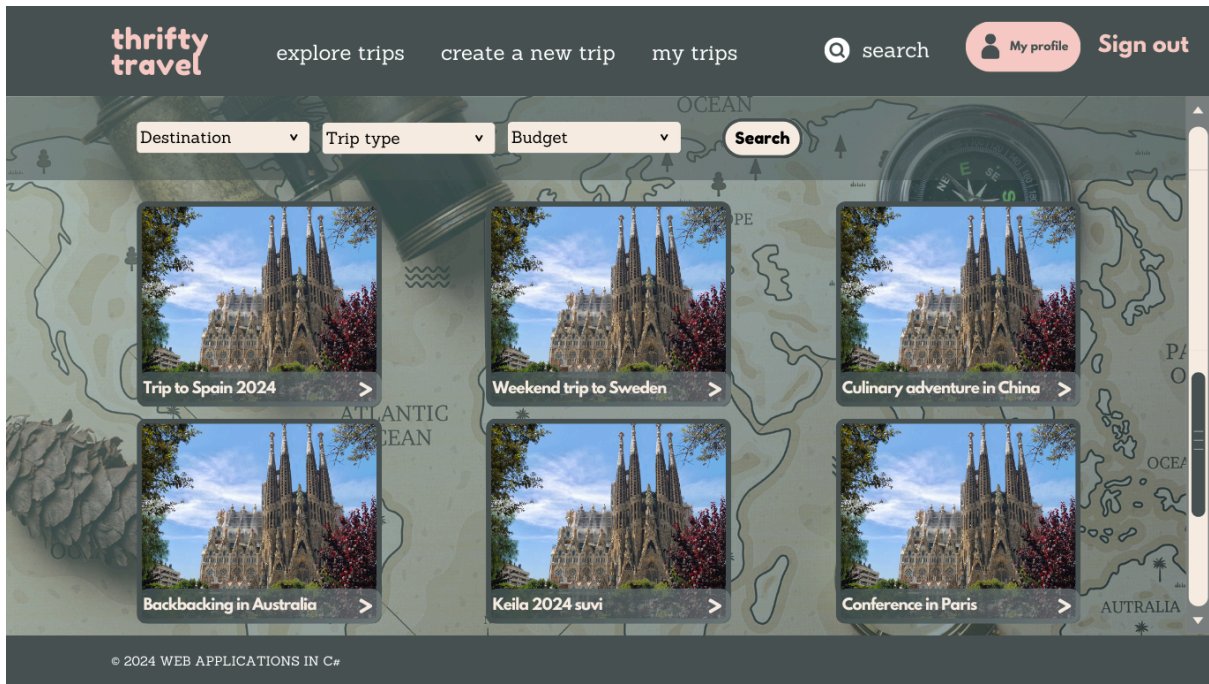


Figure 4. The 'Explore trips' page. Filters can be added to limit the amount of trips seen.

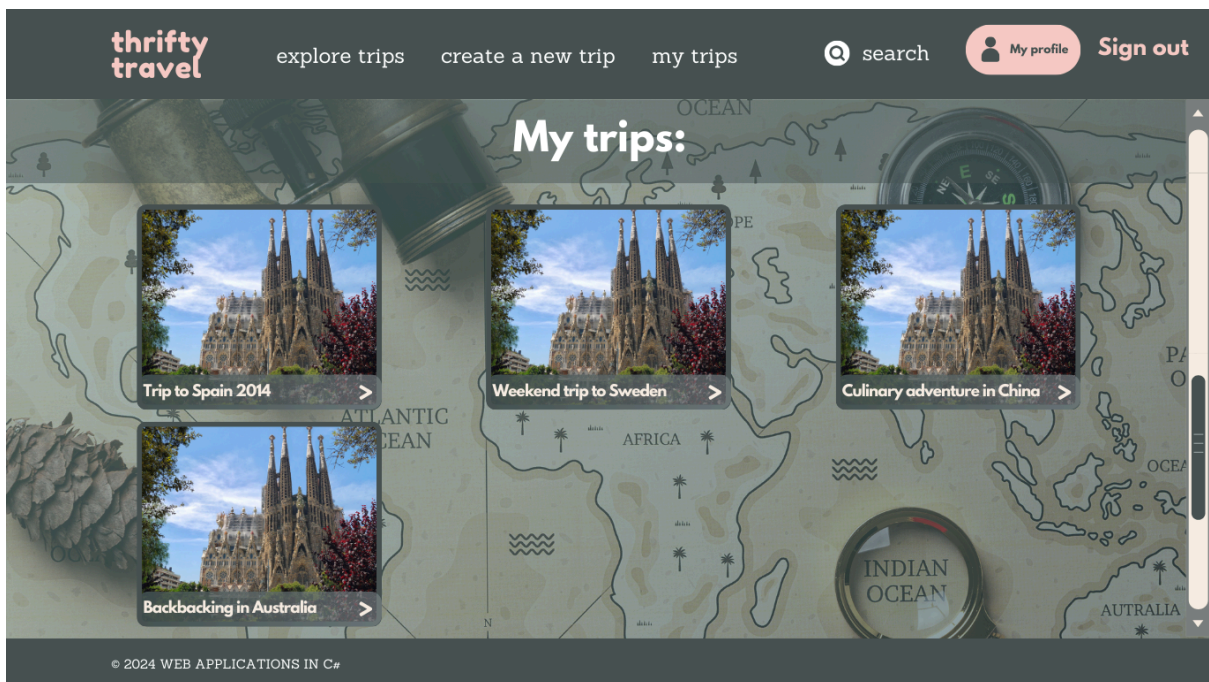


Figure 5. The 'My trips' page.

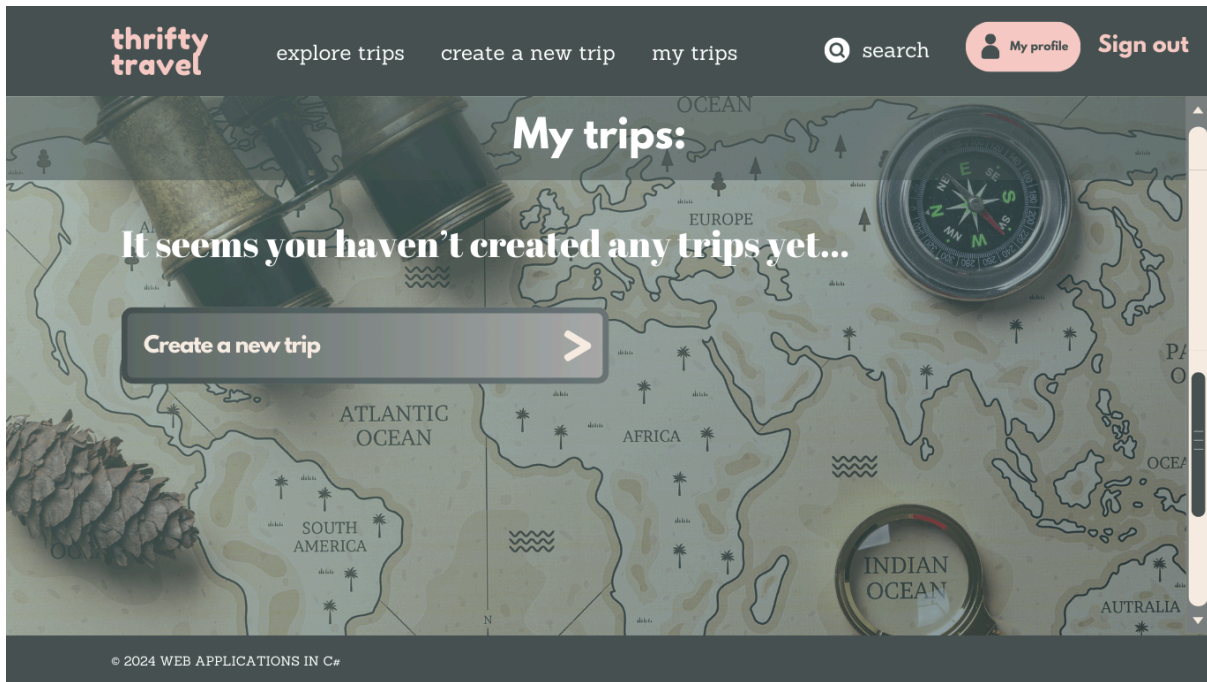


Figure 6. The 'My trips' page, when the user has not created any trips yet.

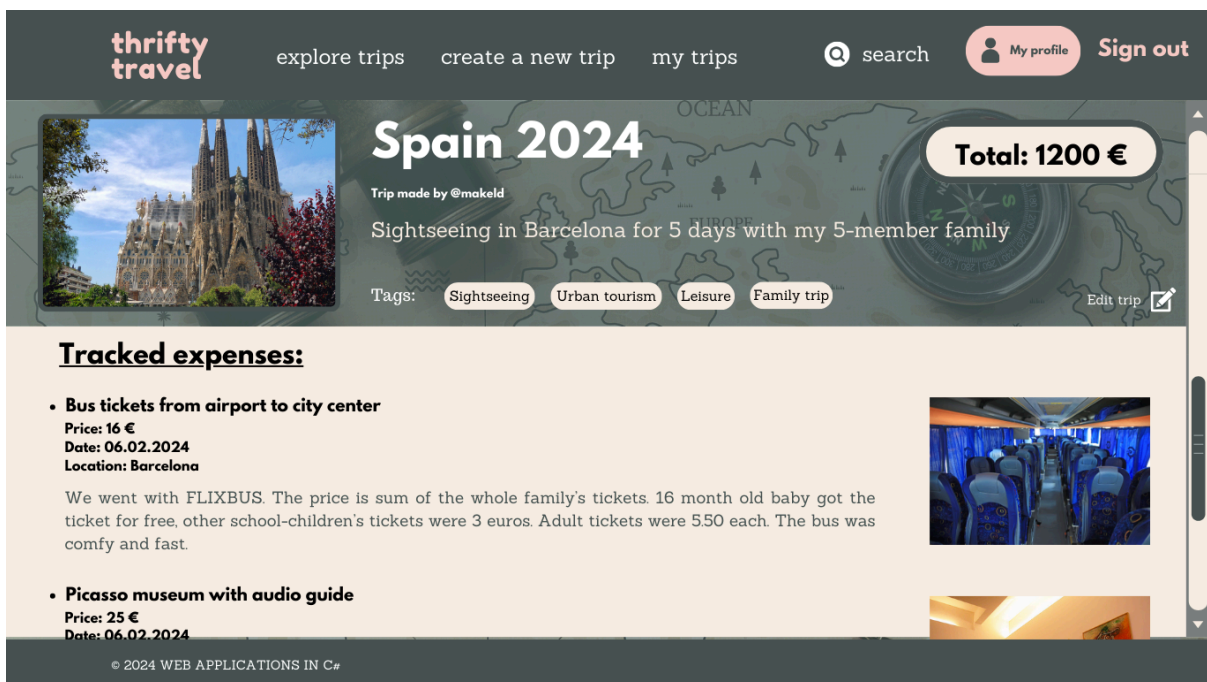


Figure 7. The view of trip details and trip expenses when it is clicked on.

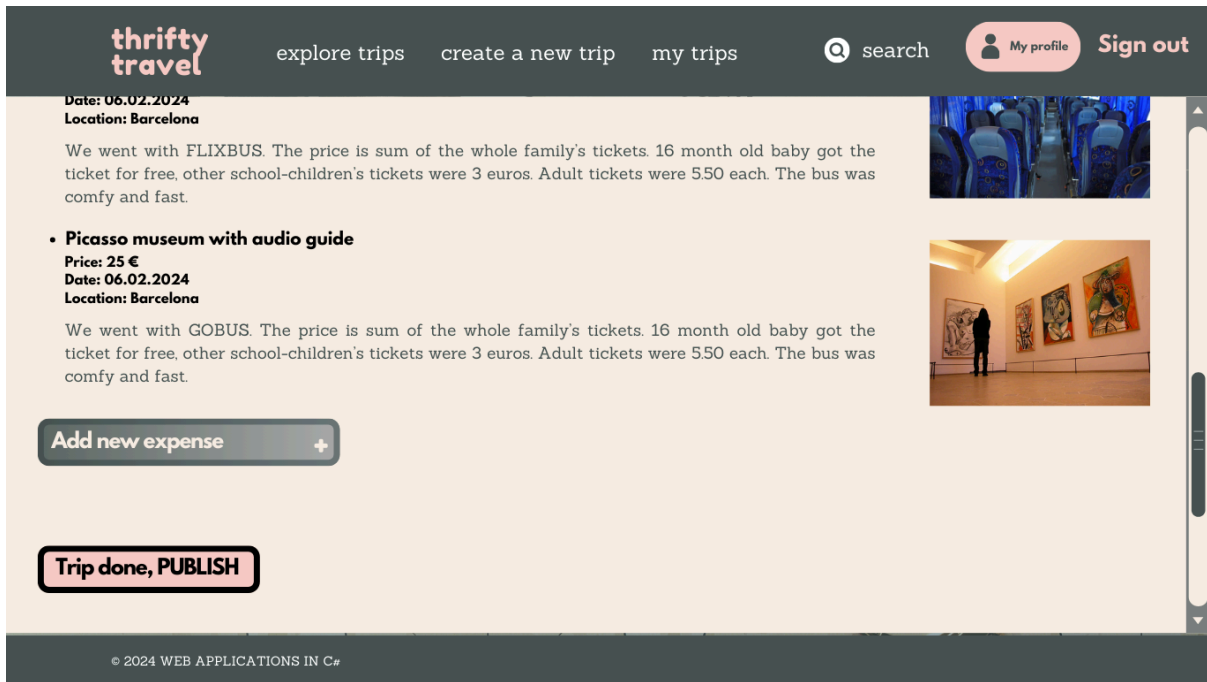


Figure 8. The view when the trip creator clicks on their own trip (scrolled to the end of expenses).

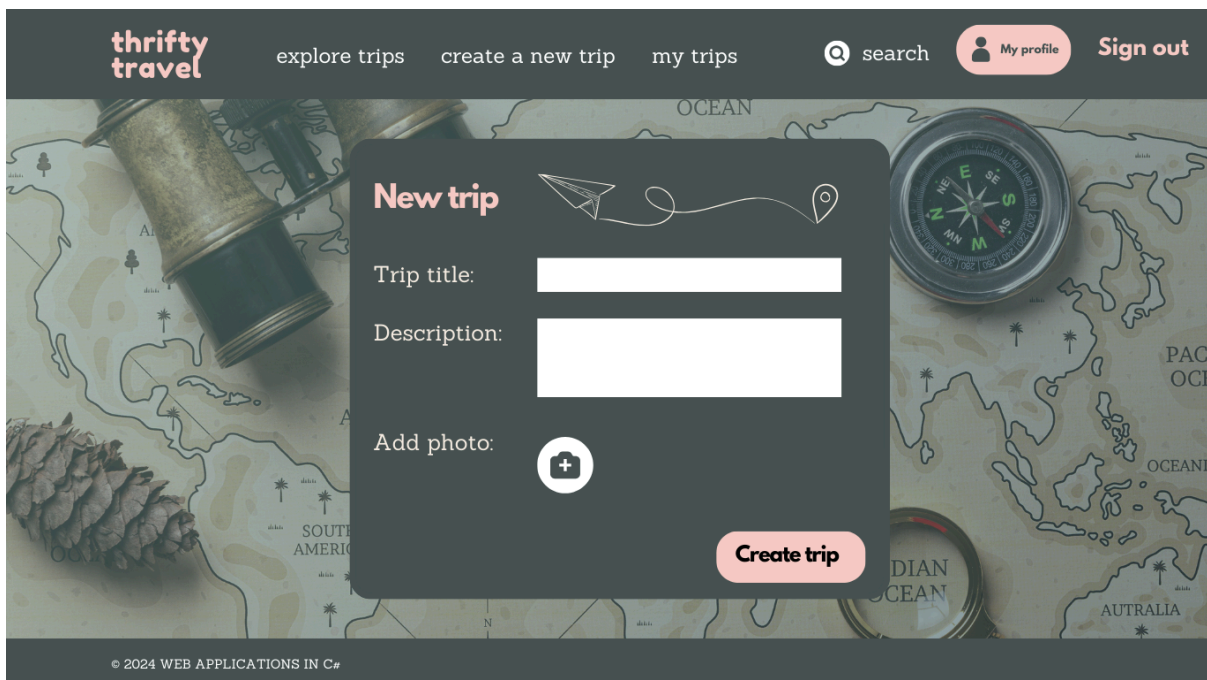


Figure 9. The 'Create a new trip page'. Adding new expenses to a trip is analogical to this.