

# SWEN\_TourPlanner

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## Description:

Tour Planner is an application based on the GUI frameworks C# WPF. The user creates (bike-, hike-, running- or vacation-) tours in advance and manages the logs and statistical data of accomplished tours.

## Design

### UX (Wireframe)

We divide our application into three sections side-by-side. The left section is the smallest and is responsible for the navigation of the application using dashboard icons. Based on the currently selected icon the content of the other parts changes. The middle section displays a list of tours the user can choose from. The actual content of the tour and the tour logs are shown in a grid on the right and biggest section. The base stays the same, only the content changes based on the selected tour. To create a tour or a tour log for a tour, the user can click the specific button to open a form. After submitting the filled in form, the new tour will be listed with the others and the tourlog will be shown in the tour.

## Mockup

The wireframe illustrates the SWEN\_TourPlanner application layout. It features a top header bar labeled "Tour Planner". On the left is a vertical sidebar containing navigation icons: a home icon, a magnifying glass, a location pin, a pencil, and a gear. Below these icons is a list of tours labeled "Tour 1" through "Tour 6". At the bottom of the sidebar is an "Add Tour" button. The main content area is divided into two sections. The upper section displays tour details in a grid with columns for "Name" (Tour name), "From" (Location), and "To" (Location). Below this is a "Description" section with a "Tour description" label and a large rectangular area with a diagonal cross, indicating a placeholder for an image or map. The lower section continues the grid with columns for "Distance" (Tour distance), "Time" (Tour time), and "Transportation" (Transportation type). At the bottom center of the main area is an "Add Tour Log" button.

## Implementation

**ADD NEW TOUR:**

**Name:**  **From:**  **To:**

**Tour Description:**

**Transport Type:**  **Tour Distance:**  **Estimated Time:**

**Route Information:**

**Map:**

**Submit**

## Implementation

### Library decisions

- **O/R Mapper:** Dapper, because of its easy use and high ranking in the market