

Final Project Proposal – Fullstack

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Project Name: VacayTracker

Company *:

Contact Person(s) *:

Project Description / Business Case:

VacayTracker is a vacation days tracking application designed to manage and optimize employees' vacation time. It caters specifically to the Swiss workforce (working hours 40-42 hours/week) where vacation entitlement is typically calculated based on employment percentage (pensum). The app helps users track vacation days in both days and hours, offering vacation planning that takes into account regional public holidays. The application aims to enhance work-life balance and ensure employees can maximize their time off efficiently.

Project Goals:

- **Track and manage vacation time:** provide a clear and accurate record of users' vacation days and hours
- **Optimize vacation planning:** offer tools and suggestions to help users make the most of their vacation time, particularly by aligning with public holiday
- **User experience:** create a user-friendly interface that simplifies vacation tracking and planning
- **Provide customization:** allow users to tailor their vacation tracking to different types of vacations and regional public holidays
- **Improve productivity and satisfaction:** help users manage their time off effectively, leading to better work-life balance and increased job satisfaction

Features / Milestones:

Critical/Must Have

- User registration and authentication: (create account, log in securely)
- Profile management (work details: pensum percentage, standard working hours per week; option to specify canton for public holiday tracking)

- Vacation day tracking (track vacation days in both day and hours, calculate vacation entitlement based on pensum)
- Public holidays integration (automatic inclusion of public holidays based on user's canton)
- Vacation units management (categorize vacation time into different types: summer, winter/skiing, traveling, ...)
- Hours conversion and flexibility (allow users to convert vacation days to hours and vice versa)

Nice to have (optional)

- Vacation planning and suggestions (suggestions for the best way to combine vacation days with public holidays)
- Option to change pensum in the middle of the year (recalculating the vacation entitlement)
- Notifications / reminders (upcoming public holidays and vacation days)
- Reports (generate reports on vacation usage and remaining balance)
- Multi-language support (English, German, ...)
- Mobile application
- Integration with Google Calendar

Design / Wireframes *

(Please attach files/links. Ex: Figma or Excalidraw.com)

1. Login and Registration

- Simple login page with options for social login.
- Registration page with input fields for name, email, password, and canton.

2. Dashboard

- Overview of total vacation days, remaining balance, and upcoming public holidays.
- Quick links to add new vacations or view calendar.

3. Profile Management

- Page for users to input and update their work details and preferences.
- Option to change password and update canton.

4. Vacation Tracking

- List of vacation days used and remaining balance.
- Option to add or edit vacation days, with breakdown by hours if needed.

5. Public Holidays

- Calendar view showing public holidays specific to the user's canton.
- Option to add custom holidays.

6. Vacation Units

- Page to categorize and manage different types of vacations.

* = if applicable

- Ability to allocate vacation days to these categories.

7. Reports and Analytics

- Visual charts and graphs showing vacation usage trends.
- Downloadable reports for personal record-keeping.