

Vacation Planning

Assignment

Develop the design documentation for the software system described in this document.

The **design documentation must adhere** to the provided template.

The design must reflect one of the topics presented during the lessons. The selected topic must be explicitly mentioned in the final report, and it should be clear how the developed design solution relates to the topic elements.

The **grading criteria for the project contents are**: functional and non functional requirements correctness, prioritization, and originality, design alternatives correctness and relevance, design decision adherence to requirements, ADL design quality, traceability between requirement, design, and ADL design

The **grading criteria for the project teamwork are**: teamwork planning (e.g. schedule and allocate work; arrange meetings); team functioning; use of coordination&collaboration tools; role assignment; quality of the assessment of the peer-team work (local/international peers); quality of the support provided to the peers.

Individuals must further fill in a **questionnaire**.

System usage scenario

John wants to plan a trip with his wife, to celebrate his new car. He starts planning the trip in his office with a laptop. He starts searching for a nice location: it must be close enough to where he lives (say, within 100 miles), by a lake and close to mountains. Moreover, John wants a nice and comfortable hotel, where they can rest and enjoy the fitness center. After finding the place, he makes a reservation for a room for the weekend.

At home, he describes the almost planned trip to his wife and they start searching for good restaurants and places to see close to the chosen location. Again, they reserve tickets for a couple of museums, and also reserve a table in a nice restaurant by the lake for lunch on Saturday.

The day after, while waiting for his wife, John starts downloading the plan he had created and the reservations done at home. Before leaving, they also need a map and a good service to identify the best itinerary to reach the place. Thus, they decide to exploit a simple and cheap map service and asks the itinerary planning service for the fastest way to reach the target.

System description

TripForU is a company that wants to develop a software system supporting the features of the scenario example given above. The system allows its registered users to dynamically select and de-select features to organize their trips and to get all necessary information and support before departing and during the trip itself. This also includes the possibility to request further services such as short excursions decided on-the-fly, notification for special events, and local news. Notifications and information are sent to the users via email.

Note

This assignment description can be ambiguous and incomplete.