

Task A6.1P: sunny stories

Writing user stories

Due: by Monday of week 8 for review ahead of week 8's lab

Aim

The aim of this task is for you to create user stories based on information provided.

Background information

The task should be completed based on the information presented below.

Idea: An app that will show the sunrise and sunset times and weather forecast at a given location for any valid date (past/present/future).

Motivation: This app will provide useful information for photographers, bush walkers, and people that undertake prayers/spiritual practices based on the sun rise/set times.

Features (User's expectations):

- Show sun rise/set times for a date/location;
- Can add new custom locations (or) select from pre-built set of locations;
- Generate a table of sun rise/set times for a date range;
- Share information via SMS and email;
- Can detect current location;
- Integrated into Google maps;
- Can detect current location;
- View sun rise/set times for various locations on a map;
- View weather forecast (current, and near future).

Note: Features are identified before scenarios are developed (as per the development method suggested). Features are often fuzzy and very high-level -- they express broad intentions.

Scenarios:

- a) Brad is planning a short 3 day holiday in Wellington, NZ (travelling next month). He wants to take a few photographs of the sun set over the harbour and wants to make sure his flight times give him sufficient opportunities to take these pictures.
- b) Sachin has to undertake a religious fast for 40 days from sun rise to sun set starting in mid-May. Unfortunately, he is travelling during this time to 3 different countries across the world (China, US and India). Sachin works for a large mining company and the locations that he is travelling to are very remote placed in these countries. He generates a table of sun rise/set times for each of his locations, emails them and print the email message ahead of this journey time.
- c) Li wants to walk on the beach tomorrow morning to reflect on the purpose of life (she was just promoted in her job). She checks the sun rise time in Sydney before going to bed.
- d) Justin and Mary are off camping. They reach the camp site and realise that they are a little bit behind schedule. They need to start off at day break to get to the top of the mountain as planned. They use the built-in GPS facility to find the sun rise/set times for their location. As they have a faint mobile signal, they send the sun-rise time to their friends that are also climbing the mountain from another direction. They add a short note to the message saying they are looking forward to beating them to the top of the mountain.

Tasks

1. User stories

Based on the information provided, write at least 4 user stories. You must follow the format suggested in the lecture notes.

Checklist

- ☐ At least 4 user stories are provided

2. Reflection on user stories versus scenarios

Briefly indicate your preference between detailed scenarios and user stories as the basis for developing the full app? (For example, you can talk about aspects such as – Is there any information that user stories lack? Is there too much information provided within the scenario?)

Checklist

- ☐ Reflection between user stories and scenarios shows some depth of understanding of the strengths and limitations

Core/Extension Tasks

All tasks in this assignment are “core”. You must complete all core tasks, submit for feedback, and achieve a pass for all tasks in order to be eligible for a pass grade in this unit.

Submission

You are required to submit a PDF report using Doubtfire:

- login to Doubtfire at <http://doubtfire.ict.swin.edu.au>
- The header (or) footer of the document must contain your name, student id, and unit code.
- The document must have a title (e.g. Submission for Assignment <number>)
- Evidence that shows you completed each task must be presented in a separate section.
- The document does NOT need a table of contents nor a cover page.

The reports are assessed and feedback given via Doubtfire and, if required, in your lab. You are expected to incorporate the feedback (esp. if changes are required) and submit the changed reports as part of the final portfolio.

Note: This is a formative assignment. That is, an assignment designed to provide feedback. If you fail this assignment, you have one week to make corrections and resubmit to pass.

Demonstration

You may be asked to demonstrate your assignment in the lab. You should be able to do this and explain your code when asked in the lab session.