

Specifications PFE

Eniso, 2017

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Company: One Planet Rating

Project title:

Developing a ratings and reviews web app for sustainable tourism

Goal:

Create a web application similar to Tripadvisor, but that is sustainability focused.

The app will contain listings of hotels, restaurants and any place available in the Google places API (that's our source of data) and will allow registered users to create reviews about these places as well as rate these places following some specific criteria like the use of renewable energy and the use of recyclable materials..

Requirements:

- Design the web UI
- Develop the web version. Functionalities include:
 - Login / register
 - Search an element (Hotel / Restaurant / Activity)
 - Check an element
 - Reviews
 - Ratings
 - Details
 - Rate / review an element
 - Multiple ratings / criteria
- Develop a REST API for the server:
 - Login / register
 - Search an element
 - Check an element
 - Rate an element
 - Rate / review an element
- Deploy the project:

- Deploy the code in the cloud (AWS EC2)
- Deploy the DB in the cloud (AWS RDS)
- Set up High availability / Load balancing