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Abstract

PhotoSpots is an application for finding beautiful locations for taking pictures

PHOTOSPOTS

SRS DOCUMENT

# Description of the project

PhotoSpots is an application, as its name suggests, that offers beautiful locations for taking pictures, making it suitable for everyone, from professional photographers to teenagers who would simply want to update their social media feed with a stunning picture.

By submitting a picture or a text description, users recommend a location, which then gets sorted by other users through upvoting or downvoting, this allows users to not waste time scrolling or searching, by just opening the app, they’ll get provided with the most rated locations on top of their feed. For this app to work, users have to turn their location on, so they can be provided with nearby locations, making this application “a must have” for tourists.

The scope of this application is self-scalable, the more users interact with the application, the larger it gets.

# Functional Requirements

1. The system shall allow the user to create an account.
2. The system shall include a registration page which will include the username and password.
3. The system shall be accessible on personal computers and mobile devices.
4. The system shall store the locations suggested in a database.
5. The system shall have the Upvote and Downvote sorting method implemented.
6. The system shall have an “Explore” section, which shall allow users to explore new locations aside from the ones already rated or reviewed.
7. The system shall have a “Comment” section under images or text descriptions.
8. The system shall allow users to contact with each other privately by using a “Message” section.
9. The system shall allow reporting inappropriate users.
10. The system shall be able to use the latest AI image detection tools, to prevent a user from suggesting an inappropriate picture.

# Non-functional Requirements

1. The user shall be able to understand how the application works within less than 2 minutes of use.
2. The system shall not allow the user to create an account if the password isn’t considered to be strong.
3. The system shall load exactly where it was in case of internet loss or a crash.
4. The system shall be secure from spamming and bots by using the hCaptcha services.
5. The system shall not exceed 30ms delay.
6. The system shall not have a low storage limit since it’s self-scalable.
7. The system shall be refreshed every 4 seconds.
8. The system shall not allow users among each other to see more than their username.
9. The system shall be secure by implementing the latest protocol measures on internet security.