

Constraint category	Implementation constraint	Solution
Hardware and Software platforms	No native mobile application for iOS and Android.	Use a library such as Bootstrap to ensure website can be accessed using a mobile browser.
Performance requirements	Not a concern. Can be accessed using any web browser, on desktop, laptops, and mobile devices. The minimum recommended speed is 12Mbps for broadband Internet and 4G on mobile networks.	N/A
Persistent storage and transactions	No transactions are conducted on the website. An initial cloud storage package of 5GB, with 20,000 Get requests and 2,000 Put requests should be sufficient. More storage space will be needed as the number of users increases.	Monitor number of visitors and HTTP requests and choose a scalable storage solution. Uploaded images should have a maximum size of 1Mb.
Usability	Accessing user's camera to capture an image impractical on desktop/laptop. User's computer might not have a webcam.	Implement file input. This prompts desktop users to upload images and gives mobile users the following choices: take a photo, upload from library, upload from cloud storage.
Budget	A Google Maps API key is needed, which offers 25,000 free map loads per day upon verification. A charge of \$0.50 USD/1,000 additional map loads applies, up to 100,000 daily.	Monitor usage closely and allocate funds accordingly. Consider premium plans if quota is exceeded.
Time Limitations	A working prototype is required 3 weeks after development has started.	Use Agile methodology for rapid development. Perform frequent user tests and adapt project requirements accordingly.