FH University of Applied Sciences
TECHNIKUM
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Introduction and Goals

Software Architecture

Requirements Overview

What is InstaShare?

The main purpose of InstaShare is to provide photography enthusiasts and professionals with a platform to share and discover high quality images, offering advanced editing tools, customizable filters and a strong community aspect, while differentiating itself from other social media platforms.

Main features

1. User Authentication: Users can create and log in to their accounts in the app.

2. Image Upload: Users can upload their photos, including titles and descriptions.

3. User Profiles: Users can create collections of favourite images.

4. Image Sharing: Users can share their images with the community and tag them for search and discovery.

5. Image Editing Tools: The app offers advanced editing tools, including colour correction, white balance adjustment, exposure adjustment, cropping, and the addition of text and creative elements.

6. Pixlr Integration: The app integrates with Pixlr for the editing tools.

7. Customizable Filters: Users can create custom filters or choose from pre-made filters to enhance their images.

8. Community Features: The app includes user-generated challenges and competitions, a social feed for following other users' activities, and the ability to leave comments or like images and engage with the community.

9. Subscription Model: The app offers both a free version with limited features and a paid subscription model for access to advanced tools and features, available on a monthly or annual basis.

10. Acceptance Criteria: The app must meet various criteria related to user-friendliness, stability, performance, community engagement, and compliance with security and privacy regulations.

Stakeholder

Role/Name	Expectations
Project Manager (Michael Nguyen)	deliver a successful project that meets all its objectives and business requirements
Lead Developer (Ava Patel)	develop a robust and efficient system that meets the business requirements
UX/UI Designer (Emily Wong)	design an intuitive and engaging user interface that enhances user satisfaction
Marketing Manager (Sarah Chen)	successfully market the system and attract a large user base
User Representative (Samir Singh)	ensure that the system meets the needs and expectations of its users

Quality Goals

Priority	Quality	Motivation
1	User Experience	An intuitive User Interface will ensure an uncomplicated navigation when using the app, and thus lead to more use-time and more users overall.
2	Performance Efficiency	The app should have minimal lag (optimized code) in order to guarantee a smooth experience.
3	Data Security	Implement robust security measures in order to prevent data breaches, which would end in legal trouble as well as a tanked reputation.