

Redesign Of Image Gallery For Telescope Live 2.0

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Abstract

Redesign image gallery is my project. Firstly, I analyze the current website, point out its problems and propose solutions. Second, I analyzed four image-sharing platform to learn its layout. I also created two questionnaires to understand the needs of existing users and potential users for the gallery. With a sufficient research foundation, the wireframe and low-fidelity prototypes are generated. I use self-examination to evaluate the problems in the design process. According to the UI kit provided by the Telescope Live team, the final high fidelity was produced.

Introduction & Background

Telescope Live is a modern web application launched in November 2019. The image gallery is the place where Telescope Live users publish their astrophotography pictures. The image gallery includes high quality astrophotography pictures that have been obtained by post-processing images coming from Advanced requests (or Request templates), and from Astrophotography Datasets.

Research Methodology

- Analyzed the previous image gallery webpage, found that it had some problems and proposed solutions.
- Analyzed four image-sharing platforms(AstroBin, Slooh, Flickr, 500Pixels).
- User Research – Survey: conducted two online questionnaire surveys of existing users and potential target users of Telescope Live.

Research Results

- Found that the previous webpage has these problems: visual interface design (font, color, buttons) does not have certain specifications, The interaction steps are not coherent and smooth, The overall functions and modules are not perfect.
- Through survey, I learned some main needs of users and these feedbacks provide a data basis for functional design.

Conclusions & Future Work

In the design process, there are still some challenges, such as it is difficult to collect questionnaires for new user surveys, understanding the framework of the entire webpage is a little bit difficult. But in the end, I slowly overcome and solved these problems. In the future work, I will classify astronomical photos more professional and detailed. And I will arrange more users to go to cognitive walkthrough and usability testing. Through more users' feedback, understand the real needs of users and improve the experience.

Diagram / Design

