SW Engineering CSC648/848 Summer 2018

# Hat Box Photos

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# Milestone 4

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| --- | --- | --- |
| Revision Table | | |
| 8/6/2018 | 1.0 | Initial document |
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**Product Summary**

Welcome, everyone, to the beta launch of HatBoxPhotos. We are delighted to offer you the opportunity to be one of the first to see our brand new free stock photo website. Features to look forward to include:

1. **Fast Search**

Need a high quality image for school, work, or just because? You can quickly find the perfect image for your needs at HatBoxPhotos.

1. **Uploading images**

Share your special moments with other users through our simple image uploading process!

1. **Admin moderation**

HatBoxPhotos enforces a family-friendly image policy. Our admin will either approve or reject uploaded images for live viewing within 24 hours.

Please visit us at <https://hatboxphotos.com/>. We look forward to your feedback.

**Usability Test Plan**

**QA Test Plan**

**Code Review**

**Coding Style**

* JSDoc documentation is used for class headers and function headers
* Inline comments are used to document non-headers

**Chosen Code for Peer Review**

**Peer Feedback**

**Emails**

**Self-check On Best Practices for Security**

* Major assets being protected include email addresses, usernames, and passwords
* Passwords in the database have been encrypted using the bcrypt hashing function
* Input validation is present in login, registration and the search bar
  + The Mongoose-unique-validator plugin prevents duplicate registration
  + Mongoose-unique-validator combined with the uniqueCaseInsensitive Mongoose schema validator perform case-sensitive validation for emails and usernames during login & registration
  + Username and password length is validated during registration by the Mongoose schema validators minlength and maxlength
  + Search bar only allows characters and spaces

**Self-check: Adherence to Original Non-functional Specs**

1. Application shall be developed, tested and deployed using tools and servers approved by Class CTO and as agreed in M0 (some may be provided in the class, some may be chosen by the student team but all tools and servers have to be approved by class CTO). (**DONE**)
2. Application shall be optimized for standard desktop/laptop browsers e.g. must render correctly on the two latest versions of all major browsers: Mozilla, Safari, Chrome.

(**ON TRACK**)

1. Data shall be stored in the team’s chosen database technology on the team’s deployment server. (**DONE**)
2. No more than 50 concurrent users shall be accessing the application at any time. (**DONE**)
3. Privacy of users shall be protected and all privacy policies will be appropriately communicated to the users. (**DONE**)
4. The language used shall be English. (**DONE**)
5. Application shall be very easy to use and intuitive. (**ISSUES**)

* We are struggling to connect front-end and back-end. We cannot test fully on localhost because of "Access-Control-Allow-Origin" problem. Have tried many ways to solve it but failed.
* We’re having trouble with sign in and sign up pages.

1. Application shall render well on mobile devices (UI shall be responsive). (**DONE**)
2. Google analytics shall be added. (**ON TRACK**)
3. No e-mail clients shall be allowed. (**DONE**)
4. Pay functionality, if any (e.g. paying for goods and services) shall not be implemented nor simulated. (**DONE**)
5. Site security: basic best practices shall be applied (as covered in the class) (**DONE**)
6. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development (**DONE**)
7. The website shall prominently display the following exact text on all pages "SFSU Software Engineering Project CSC 648-848, Summer 2018. For Demonstration Only” at the top of the WWW page. (Important so as to not confuse this with a real application). (**DONE**)