



SW Engineering CSC648/848 Summer 2018

# PiCarousel Team 03

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Milestone 5

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Revision:1

## 1) Product summary (e.g. how would you market and sell your product – max ¾ page)

1- Name: PiCarousel

2- All functions: First thing user can do when they go to our main page the can search from our search bar by typing in what they are looking for also they can search by category. If user finds something they like they can simple click on the picture it becomes bigger and can add it to the cart once the user is satisfied they can simply click on cart and they will go to download page in order for any user to download they must register. After registration the user can download the picture after they view it in the small box in the download section making sure everything they want is there and they simply click download to retrieve the pictures. Now also when users go to our site they will see upload page if they want share their content when they go to our main page they can simply click on upload in which it will direct them to upload their pictures again they must be registered. After users upload pictures they can enter in the fields below the following first they enter the title, second a description of their picture a short summary, third they enter the category into which the photo will be sorted in search. Once they are done they simply click upload and wait for the admin to approve their pictures before going live.

### Summary of P1 Functions:

General Users Shall be able to search images by category

General Users Shall be able to create an account to upload images.

Registered Users Shall be able to search images by category.

Registered Users Shall be able to upload images.

Registered Users Shall be able to define the category of the images.

Registered Users Shall be able to delete images.

Registered Users Shall be able to download original images.

Admin Users Shall be able to search images by category.

Admin Users Shall be able to approve the image to go online.

Admin Users Shall be able to remove user's images.

3- What's unique: We are super competitive with other products on the market also we provide better pricing and we have sections in our main page that helps expose users uploaded content to more people which provides an incentive for them to do good pictures.

4- URL: <http://13.59.250.236/>

Short summary: PiCarousel is a user populated repository for photo storage, upload, download and editing that will serve as a storefront, connecting aspiring and professional photographers with the customers they need to drive a successful business. While our competitors focus on their searching and browsing functions PiCarousel will leverage newer layouts and display techniques that will push the art to the front page. PiCarousel is designed to get our members and content contributors the exposure they need to grow. Furthermore, PiCarousel shall operate as a store front, as such customers will be allowed to purchase copies for personal use and licenses for business use, on all of the public photos on the site. Our artists can choose between several packages to determine their exposure level with the most expensive packages getting them prime positioning on the carousels. PiCarousels goal is to get artists exposure at a minimal cost therefore most of the operating costs we intend to offset using advertising and a small consignment fee added to each purchase. That way our artists can get their name out there without going bankrupt in the process.



## 2) Usability test plan – 2 pages max

### Upload

#### 2) Major Function Upload Test case

Test objective:

The objective of this test is to make sure that the upload page is fully operational and can deliver the uploaded pictures to the admin for approval. At any point if the tester encounters an error we ask you to record and also for the tester to attempt to duplicate the error.

## Test Plan

- 1- The tester will be presented the main page of the site
- 2- The tester will be asked to navigate to the upload page and upload an appropriate image.

## Questions

The upload page was easy to navigate to.

- Strongly Agree
- Agree
- Neither agree nor Disagree
- Disagree
- Strongly Disagree

The upload process was easy to complete.

- Strongly Agree
- Agree
- Neither agree nor Disagree
- Disagree
- Strongly Disagree



The layout of the buttons simplified the process.

– Strongly Agree

– Agree

– Neither agree nor Disagree

– Disagree

– Strongly Disagree

### 3) QA test plan

#### Objective:

By defining a QA Test Plan, the development team can be better equipped to combat bugs, improve performance, and maintain the overall foundation of the PiCarousel website. The QA Test Plan shall be provided with the exact instructions on the procedure the tester must perform.

The tester shall ensure that each Test Plan is performed for **Google Chrome/v68.0.3440** and **Firefox/v61.0**. The tester has the responsibility of reporting that the function passed or failed to meet the desired specs. If the tester reports a failure, the duty of the developers is to address the issue. A priority shall be assigned to each issue/bug reported.

The tester shall expect to be supported by the following hardware and software being used for the PiCarousel website. The server being used to host the website is AWS and is allocated a 1 GHz vCPU and 1 GB of RAM. The AWS server is run on Linux 4.4.0-1060-aws. The following software are being used for back-end frameworks: MySQL/5.7, Apache/2.4.18, ExpressJS, Enzyme, and Jest. For the front-end, the software packages being used are as follows: Bootstrap 4.1 and FontAwesome 5.2. The tester shall not be responsible for installing any dependencies.

At the end of the QA testing, the tester will be able to definitively state whether the upload function is performing to specs or not. The test shall first demonstrate that the function can be routed to. The tester shall not be prompted with an error message of any kind. Any fields the user inputs shall be validated and return the user with an error code. The tester shall be able to enter an alphabetical input to the Title and Description. The

tester shall be prompted for a title and description when giving an empty input. If the user adds an illegal file format, they will be prompted with an error message (i.e. uploading a .gif file).

Browser	Description	Test Input	Expected Output	Pass/Fail
Google Chrome	<p>Test that image upload page can be navigated to from the navbar.</p> <p>Navigate mouse to the top of page and choose "upload" which will be on the right of the word welcome</p> <p>Once it is clicked you will be directed to the upload page.</p> <p>First good down with the mouse until you hit description in then go down until you hit private right under it. Click on "choose file"</p>	Only mouse input necessary, and click "choose file" and choose the picture from the file explorer that pop up.	Tester shall be presented with the name of the image right next to "choose file"	Pass
Google Chrome	Test image upload working and linked to database. See Test Input for input on image upload page.	Title: it will be right under upload in the top of page "Bird"	Tester shall be redirected to homepage. Once they click upload	Pass



	<p>Verify that the image is in the database by selecting "Manage my pics" in the navbar.</p>	<p>Description: it will be right underneath title "Test"</p> <p>Select right under description "Free"</p> <p>Select right under free pick "Public"</p> <p>Choose File: It will be right underneath public "Tester Specified" You should see file name right next to choose file</p> <p>Category: right underneath choose file "All"</p>	<p>right under category in the middle of the screen</p>	
Google Chrome	<p>Test that field validation is working correctly.</p>	<p>Title:it will be right under upload in the top of page "-1"</p> <p>Description:it will be right underneath title "-1"</p> <p>Select Select right under</p>	<p>Tester shall be presented with error messages: "Illegal character encountered" &amp;&amp; "Sorry only jpeg and png file format allowed" It will be in red right underneath</p>	<p>FAIL</p>

		<p>description "Free"</p> <p>Select Select right under free pick "Public"</p> <p>Choose File: It will be right underneath public</p> <p>"Upload .txt file" You should see file name right next to choose file</p> <p>Category: right underneath choose file All</p>	"choose file"	
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Browser	Description	Test Input	Expected Output	Pass/Fail
Firefox	<p>Test that image upload page can be navigated to from the navbar.</p> <p>Navigate mouse to the top of page and choose "upload" which will be on the right of the word welcome</p> <p>Once it is clicked you will be directed to the upload page.</p> <p>First good down with the mouse until you</p>	<p>Only mouse input necessary, and click "choose file" and choose the picture from the file explorer that pop up.</p>	<p>Tester shall be presented with the name of the image right next to "choose file".</p>	Pass

	hit description in then go down until you hit private right under it. Click on "choose file"			
Firefox	<p>Test image upload working and linked to database. See Test Input for input on image upload page.</p> <p>Verify that the image is in the database by selecting "Manage my pics" in the navbar.</p>	<p>Title: it will be right under upload in the top of page "Bird"</p> <p>Description: it will be right underneath title "Test"</p> <p>Select right under description "Free"</p> <p>Select right under free pick "Public"</p> <p>Choose File: It will be right underneath public "Tester Specified" You should see file name right next to choose file</p> <p>Category: right underneath choose file "All"</p>	Tester shall be redirected to homepage. Once they click "upload" right under category in the middle of the screen	Pass
Firefox	Test that field validation is working	Title:it will be right under	Tester shall be presented	FAIL

	correctly.	<p>upload in the top of page "-1"</p> <p>Description: it will be right underneath title "-1"</p> <p>Select right under description "Free"</p> <p>Select right under free pick "Public"</p> <p>Choose File: It will be right underneath public</p> <p>"Upload .txt file" You should see file name right next to choose file</p> <p>Category: right underneath choose file All</p>	<p>with error messages: "Illegal character encountered" &amp;&amp; "Sorry only jpeg and png file format allowed" It will be in red right underneath "choose file"</p>	
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## 4) Code Review:

Our code has proper indentation and comments. It is readable and understandable by new programmers. The white spaces and tabs are used correctly throughout the code to enhance readability. The code is also documented well to help understand it better for future coders.

I reviewed the code in the file called "signUP.ejs" for this section of the documentation. Here is a code snippet from the file that was reviewed:

```
<label for="psw" id='psw_label'><b>Password</b> <span id='symbol_pass'></span></label>
<input type="password" placeholder="Enter Password" name="psw" id="psw" required>

<br></br>

<label for="age" id='age_label'><b>Age <span id='symbol_age'></span></b></label>
<input type="number" placeholder="Enter Age" name="age" id="age" notrequired>

<br></br>

<br><b>Gender</b>
<label for="gender" class="container">Male
  <input type="radio" name="gender" value= 'male'>
  <span class="checkmark"></span>
</label>

<label class="container">Female
  <input type="radio" name="gender" value='female'>
  <span class="checkmark"></span>
</label> </br>

<!-- START CAPTCHA -->
<br>
  <b>Captcha</b> </br><br>

  <div class="capbox" align="center">

    <div id="CaptchaDiv" align="center"></div>

    <div class="capbox-inner" align="center">
      Type the above number:
```

```

    <input type="hidden" id="txtCaptcha">
    <input type="text" name="CaptchaInput" id="CaptchaInput" size="15"><br>

    </div>
  </div>
  <br><br>
  <!-- END CAPTCHA -->

  <br></br>
  <label>
    <input type="checkbox" name="remember" style="margin-bottom:15px"> By checking this box you agree to our <a href="#" style="color:
  </label>

  <div class="clearfix">
    <a href="/"><button type="button" onclick="document.getElementById('id01').style.display='none'" class="cancelbtn">Cancel</button>
    <button type="submit" class="signupbtn">Sign Up</button>
  </div>
</div>

</form>
</div>

<script>
// Get the modal

// When the user clicks anywhere outside of the modal, close it

```

The code was reviewed by Ekta Tandel and David Hobby.

8/8/2018

Gmail - Code Review



csc648 SFSU &lt;sfsucsc64813@gmail.com&gt;

**Code Review**

1 message

David Hobby <cultof7@gmail.com>  
To: sfsucsc64813@gmail.com

Wed, Aug 8, 2018 at 5:02 AM

The code indentation and spacing are consistent and facilitate easy reading.  
There are some comments about where the big chunks of code begin and end, could use more detail on what each chunk contains.  
The naming conventions for variables and functions are good.

## 5) Self-check on best practices for security – ½ page

Protected Assets:

Email Addresses

Passwords are encrypted in the database for security

Protected Functions:

Site does not allow display of photos without admin review.

Search bar, all input fields on the Sign Up form and Sign In form are validated.

The fields: firstname, lastname, email, and password are validated to ensure the security of our customers.



## 6) 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. **DONE**
3. Data shall be stored in the team's chosen database technology on the team's deployment server. **DONE**
4. No more than 50 concurrent users shall be accessing the application at any time **DONE**
5. Privacy of users shall be protected and all privacy policies will be appropriately communicated to the users. **DONE**
6. The language used shall be English. **DONE**
7. Application shall be very easy to use and intuitive. **ON TRACK**
8. Application shall render well on mobile devices (UI shall be responsive) **ON TRACK**
9. Google analytics shall be added **ON TRACK**
10. No e-mail clients shall be allowed **DONE**
11. Pay functionality, if any (e.g. paying for goods and services) shall not be implemented nor simulated. **DONE**
12. Site security: basic best practices shall be applied (as covered in the class) **DONE**
13. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development **DONE**
14. 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**

