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BIT 113  
Quality Assurance Report

## Research Questions

### 1. What does QA mean for web development?

Quality assurance is highly important for any product that has been created. I have previous experience with QA in regard to manufacturing. Not only was visual quality important, but also dimensions and usability. If something didn't look or function correctly, the part had to either be scrapped, or carefully redone. The problem is money is lost for every error, sometimes upwards in the hundreds of thousands.

QA is important in web development for the same reason: for every time something is missing from quality, a significant amount of money can be lost. For web development, QA means bugs are eliminated, functionality and usability is high, and the design is practical and efficient. There are countless ways one needs to check the QA of a website, and some of the most important ones is does it work on \_\_\_\_\_ platform, where the blank is name device and browser. This is called design testing.

Another testing is functionality testing. Essentially this means that every button, form, click, entry, and all-around navigation is fluid, cohesive, and unbroken. In other words, is everything working as it should? Depending on the type of purpose in design, for example an online market, the site should fulfill the entire process of order to delivery with no errors, otherwise a significant amount of time and money can be lost over fixing these issues.

QA in the end is applied to how the function of the site works... or not. This doesn't take into account how the user interacts with it on a personal level.

### 2. Describe the two principles of QA: "Fit for Purpose" and "Right the First Time"

Fit for Purpose means that whatever is being created is indeed fitting for the purpose. A website that is about selling product should have all of the contents necessary for purchasing product, but not including benign elements like the weather, or a wikipedia definition of a history lesson. As a user of the web, I want to be sure that whatever company I am visiting is providing me the necessary navigation, tool, resources, and elements that are intended for the site, and doesn't throw me into a loop of confusion as to what exactly is happening in the site. This is similar to user interface.

Right First Time essentially means what it says, "right the first time". It's a mindset adhere to, a way of creating really, because doing it right first time helps to reduce the amount of errors and down time in the end. Sure, mistakes happen, but the idea that aiming for right first time reduces the errors and time spent. It also means doing right even when no one is looking.

### 3. How do web standards relate to web quality?

Web standards, which have been created by the World Wide Web Consortium (W3C), give the foundational rules and guidelines of how a web site consistently displays in a web browser. This should look very similar to web quality, because having guidelines and standards is key to quality assurance.

Going back to my experience in the manufacturing field, we had specifications which most manufacturers were not only looking for but required to adhere to for their customers. These guidelines were in place to ensure a quality product was made that prevented breaks, deterioration, and faultiness. In a way, it was a massive safety standard for these parts.

Although web development is not as risky as flying through space, which is where my background was in, this web standard still creates a foundational guideline to help ensure higher web quality, through tried, tested, and true rules.

#### **4. Describe what web accessibility means. What steps can you take to make your pages more accessible?**

Web accessibility is the concept of how accessible technology is through web-based applications, specifically to individuals with disabilities. There is a law that was passed in 1998 called Section 508. This law made barriers between technology and people with disabilities smaller.

As there are more than 250 million individuals with disabilities in the world, being able to account for equality and equity in technological standards is extremely important, not to mention the ability to be able to create that kind of technology in the first place is quite miraculous.

Being able to make a website more accessible for me means I need to ensure that I keep up with the standards in the first place, which then requires me to ensure that the pages I do develop have the required standards. That includes making the site be reader friendly, keeping colors and fonts legible and contrasted with the support of an accessibility tool, and being able to browse quickly and efficiently with appropriate headings, sections, and format so that screen readers and keyboard only users can navigate smoothly on every page.

## QA checklist – Rentcito (Eric & co.)

<http://studentfolders.student.cascadia.edu/bit112/Eric.Tyukalo/Rentcito/Index.html>

Please mark each item as acceptable or unacceptable. Include specific page references in the correction information.

Acceptable Yes / No	Baseline Validation and Content		Corrections
	x	HTML and CSS validates	Lessee correction (sp) home page
x		spelling and grammar in content and headings	
x		readability appropriate to audience	
x		passes automated accessibility tests	
Acceptable Yes / No	Graphics and color		Corrections
x		image quality	Align circles with appropriate category (Lessors, Lessees, Vendors)  Readability is a little low in the Join/login... move button or darken apply to after link click
	x	alt tags provided for all images	
x		page download time	
	x	text color accessible for differing color perceptions	
Acceptable Yes / No	Navigation		Corrections
x		all main navigation visible on every page	Change login address... Links to registration  <b>No links active</b>
	x	scrolling issues	
x		working links	
x		orphaned pages	
x		relative paths for pages	
Acceptable Yes / No	Browser and User preference compatibility		Corrections
	x	performance on different platforms	Fails responsive design
	x	performance in different browsers	
x		layout works with user selected font size	
x		screen reader view of website makes sense	
General Site Comments			

Suggest creating separate buttons for Join/Login on home, or at least make the slash inactive  
Recommend using less transparency in Nav

I like the overall look and was intrigued at first glance. It's a blend of basic and advanced HTML/CSS. I think a lot more can be done built off of this. I mostly like the nav idea, needs some darkening though.

**What has been most helpful in establishing a clear purpose on this website?**

The image tends to really make the purpose of the site stand out. It also has a simple enough of a lay out to look clean and professional. The color combination looks mostly good as well.

**What was the thing that was most striking about the design?**

I was most intrigued by the nav bar. The transparency looks really good for the most part. I also like the bubble idea for each of the options. The positioning of the nav is also pretty cool as well.

**What would I want to change on our site based upon what I Saw on this other team's site?**

I think our project is really well done. Again, the most impressive thing on their site is the nav, so I think we can utilize better methods for our Nav, especially since ours is very clunky. I wouldn't necessarily use transparency

# Quality Assurance Corrections Form

Website: RentCito (Eric & co.)

<http://studentfolders.student.cascadia.edu/bit112/Eric.Tyukalo/Rentcito/Index.html>

	Functionality Problems (links, rollovers, scripts)	Content Problems (spelling, grammar, clarity)	Design Problems (fonts, colors, layout)
Page	Alignment decreases and disappears when entering responsive design mode.	"Leesses" is misspelled	Alignment of the bubbles and text are off, gets worse with smaller window
Home	Login send to create account... redundant.		After link click color on login blends too much with background, consider moving lower.

## QA checklist – GTI

<https://austinfink.github.io/fuzzy-broccoli/>

Please mark each item as acceptable or unacceptable. Include specific page references in the correction information.

Acceptable Yes / No	Baseline Validation and Content		Corrections	
x		HTML and CSS validates	Donate Button and apply button have insufficient Color contrast	
x		spelling and grammar in content and headings		
x		readability appropriate to audience		
	x	passes automated accessibility tests		
Acceptable Yes / No	Graphics and color		Corrections	
x		image quality	See error above	
	x	alt tags provided for all images		
x		page download time		
x		text color accessible for differing color perceptions		
Acceptable Yes / No	Navigation		Corrections	
x		all main navigation visible on every page	Only one page exists  Nav bar has viewing issue, cannot click on links and also drops the header down	
	x	scrolling issues		
	x	working links		
		orphaned pages		
x		relative paths for pages		
Acceptable Yes / No	Browser and User preference compatibility		Corrections	
x		performance on different platforms	Safari issues	
	x	performance in different browsers		
x		layout works with user selected font size		
x		screen reader view of website makes sense		
<b>General Site Comments</b>				
Pages I have designed are still not applied.				



# Quality Assurance Corrections Form

## Website: Gambian Talents Internship

<https://austinfinke.github.io/fuzzy-broccoli/>

	Functionality Problems (links, rollovers, scripts)	Content Problems (spelling, grammar, clarity)	Design Problems (fonts, colors, layout)
Page			
Home	Testimonials scroll weird  responsive design, instructors merge together  In Safari, Nav bar appears way far over to right.		responsive design (image flips)  testimonial text merges together responsive design nav doesn't work

## Quick Links

### Student Statement

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### Student Image



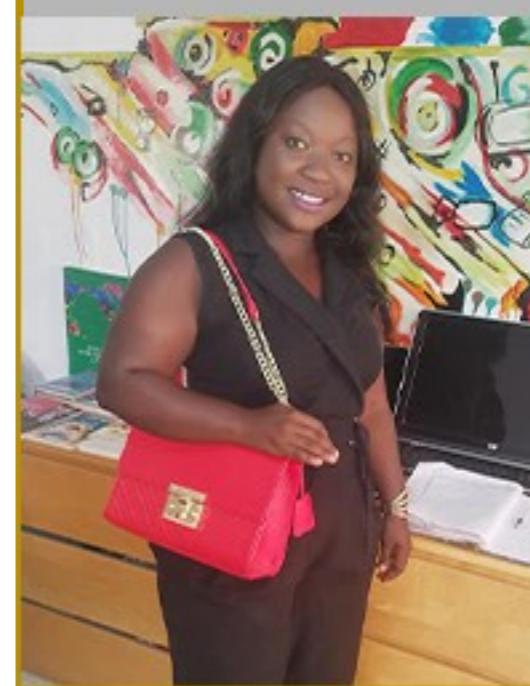
### Mission Statement

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### Instructor 1



### Instructor 2



### Instructor 3



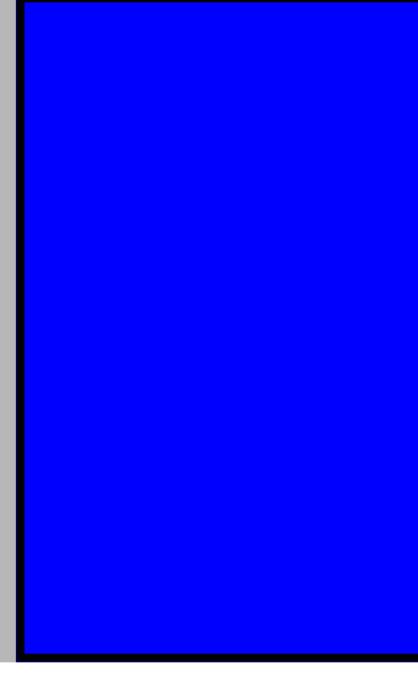
## Graphic Design

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## Journalism

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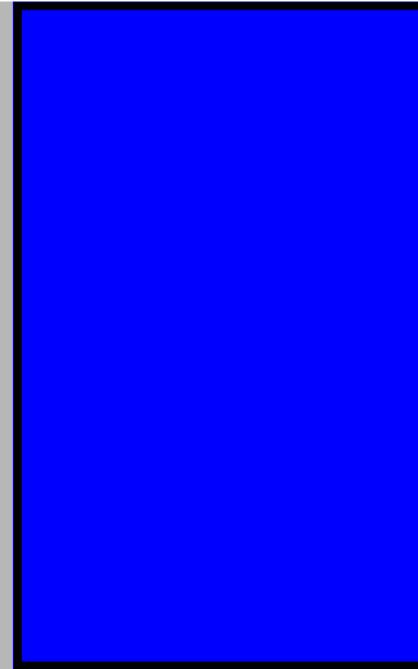
## Photography

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## Videography

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## Web Design

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## Information & Comm.

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