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Functional specifications

AR Games

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# **1. Revision History**

|  |  |  |
| --- | --- | --- |
| Date | Reason for change(s) | Author(s) |
| 10/02/2019 | Begin First Draft | Brandon Nguyen |
| 10/28/2019 | Begin Mockup | Brandon Nguyen |
| 11/1/2019 | Finish Mockup | Brandon Nguyen |
| 11/25/2019 | Begin HTML & CSS implementation | Brandon Nguyen |
| 11/29/2019 | Modify website to be responsive on mobile | Brandon Nguyen |
| 12/4/2019 | HTML/CSS/JS complete. Now working on hosting and getting domain name. | Brandon Nguyen |

Refer to GitHub for complete revision history.

<https://github.com/lrbn86/141-Final-Project>

# **2. Overview**

## 2.1 Site Map

1. Home (index.html)

2. About (about.html)

3. Store (store.html)

4. Games (games.html)

5. Blog (blog.html)

6. News (news.html)

7. Contact (contact.html)

2.2. Video Proposal

<https://www.youtube.com/watch?v=M1U9sqbg-_8&feature=youtu.be>

# **3. Requirements**

## 3.1 Functional Requirements

1. The site must include a minimum of 7 *content* pages.
2. The site must validate against against any of the STRICT DTD [XHTML 1.1 STRICT, HTML5].
   1. **If any of the pages fail to validate, you will loose two letter grades.**
3. The site must include a starting "home" page with the filename being "index.html"
4. The site and app must be responsive
   1. You may do this via any mechanism you feel is appropriate, including but not limited to Bootstrap, MediaQueries, etc.
5. The site must include both intrasite and extrasite links.
   1. At least one content page should utilize a link that sends the user somewhere in the same document.
6. The HTML on each page, should markup the content semantically.
7. The site must include at least one form, containing at least 5 form elements.
   1. JavaScript **or** HTML 5 (CSS3) should be used to validate the forms fields to make sure that none are left blank.
   2. The form should target an appropriate PHP/ASP/JSP page on your server
8. The site must be aesthetically pleasing and should display an effective navigation scheme.
9. The site must contain at least one PNG, one JPG, and one GIF graphic
10. The site must be efficiently and effectively designed (as far as download times are concerned, also arrangement of back-end/file structure)
11. The site should be properly sized for a mobile device.
12. The site must be packaged into a native mobile app using PhoneGap
    1. It is ok to create 2 deliverables from the same codebase

## 3.2 Design Requirements

1. Accommodate devices of different sizes via Media Queries, JavaScript, etc.
2. All formatting must be done with CSS.
3. All layout, must be done with CSS.
4. Links must be created a styled list of unordered items or a styled definition list.
5. Must have at least 1 DIV that has been floated
6. Must use the clear property at least 1 time
7. Must use box model properties (border, margin, padding, etc.)
8. Must use multiple CSS selector (IDs, classes, etc.)
9. Must use background, image, table, and text css properties.