Storm-Prep: Web Design Document

TEAM INFORMATION

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APPLICATION INFORMATION

Name of Web Application: Storm-Prep

What is Storm-Prep: Storm Prep is a web application designed to educate the public about hurricane safety through a variety of different means. These include demonstration of data and statistics, interactive presentations, and games.

Why we built Storm-Prep: Due to the catastrophic impact of the recent hurricanes Harvey, Maria, and Irma, our team at Miami Springs Senior High Built Storm-Prep as an effort to educate our community in a quick, efficient and fun manner.

APPLICATION DETAILS AND TECHNOLOGIES

Technologies: This web application was built using HTML 5, CSS 3, and JavaScript.

Templates: We used the "Web Page Template" from W3Schools to provide us with a baseline of HTML and CSS we could build on to develop our application. For more information go to: https://www.w3schools.com/w3css/w3css_templates.asp

Libraries:

- Google Fonts
- jQuery
- Chart.js
- Coverr.co

IDE's: Brackets – brackets.io

Other Tools: Prezi - prezi.com
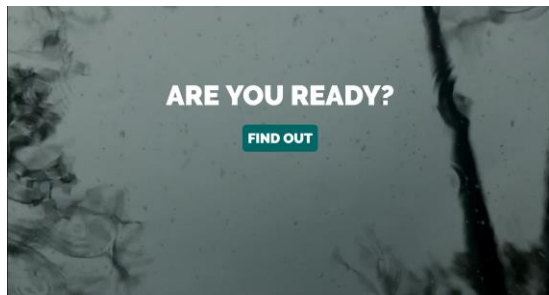
Project Structure:

```
.
├── index.html
├── assets
│   └── css
│        └── index.css
│        └── styles.css
│   └── documents
│        └─FEMA Hurricane Preparation
│        └─Storm-Prep WDC

│   └── js
│        └─graphs.js
│        └─index.js
│        └─questions.js
│        └─responsive.js
│   └── img
│        └. . .

│   └── Rain-On-Me
│        └. . .


├── pages
│   └── about.html
│   └── home.html
│   └── play.html
│   └── learn.html
```

*Rain-On-Me contains files from Cover.co to animate our index.html page

SCREENSHOTS

Application Snippets (Under Development):

index.html:

home.html:

learn.html:

Code:

HTML Snippet:

CSS Snippet:

JS Snippet:

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RESOURCES

Information for graph of Number of Storms in Atlantic Coast, graph of Number of Damages (Billion USD), and Number of Casualties:

- https://en.wikipedia.org/wiki/2017_Atlantic_hurricane_season
- https://en.wikipedia.org/wiki/2016_Atlantic_hurricane_season
- https://en.wikipedia.org/wiki/2015_Atlantic_hurricane_season

- https://en.wikipedia.org/wiki/2014_Atlantic_hurricane_season
- https://en.wikipedia.org/wiki/2013_Atlantic_hurricane_season
- https://en.wikipedia.org/wiki/2012_Atlantic_hurricane_season
- https://en.wikipedia.org/wiki/2011_Atlantic_hurricane_season

Information for "Fact or Fiction Questions": The questions were formulated from the information in the FEMA 2017 Hurricane Protection PDF.

FEMA 2017 Hurricane Protection PDF: https://www.fema.gov/media-library-data/1494007144395-b0e215ae1ba6ac1b556f084e190e5862/FEMA_2017_Hurricane_HTP_FINAL.pdf