

Ryan Moore 12 DTP Project

Planning:

Website Description: what is my website for?

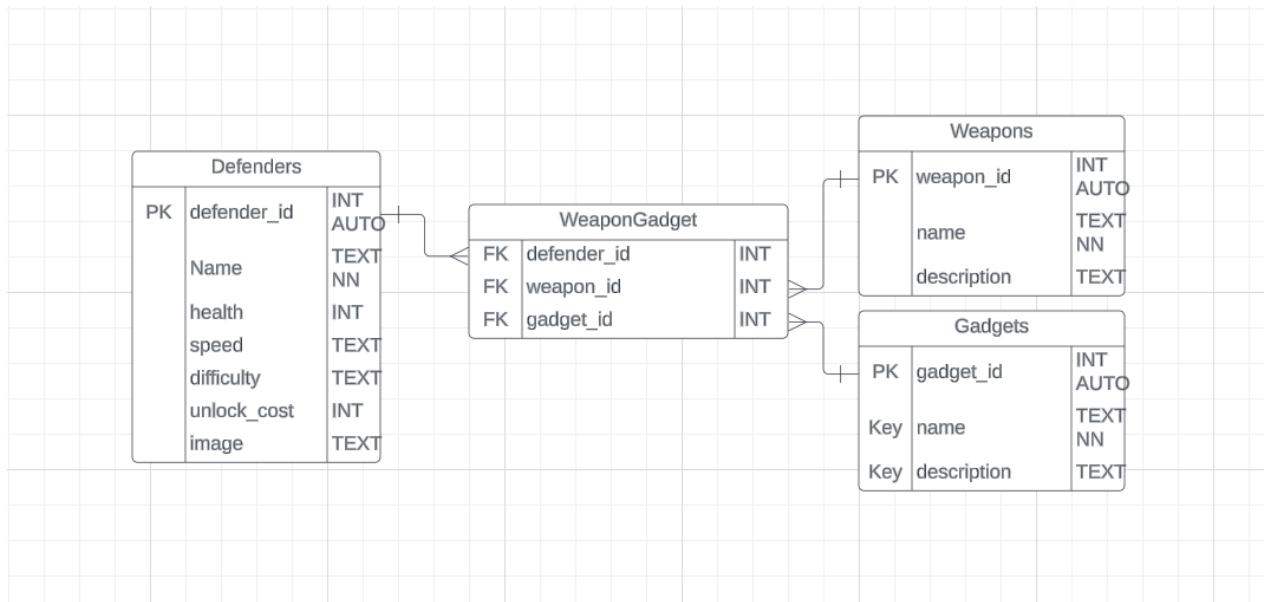
This site will be a database showing the user all of the defender operators in the Rainbow Six Siege video game. The database will tell the user about all of the defender operators that the player has available to them, what weapons they have available to them, and a description of the weapon. Eventually, the database will be able to tell the user a detailed description about each operator that they are viewing, by telling them things such as how much health the operator has, how fast they are, how difficult they are to use, how much they cost to unlock, show an image of what the operator looks like, and what main gadgets they have and its description. This project is for someone who is new or moderately experienced in the game and wants to learn more about all of the defenders, one of the most critical roles in the whole video game.

Initial design for website:

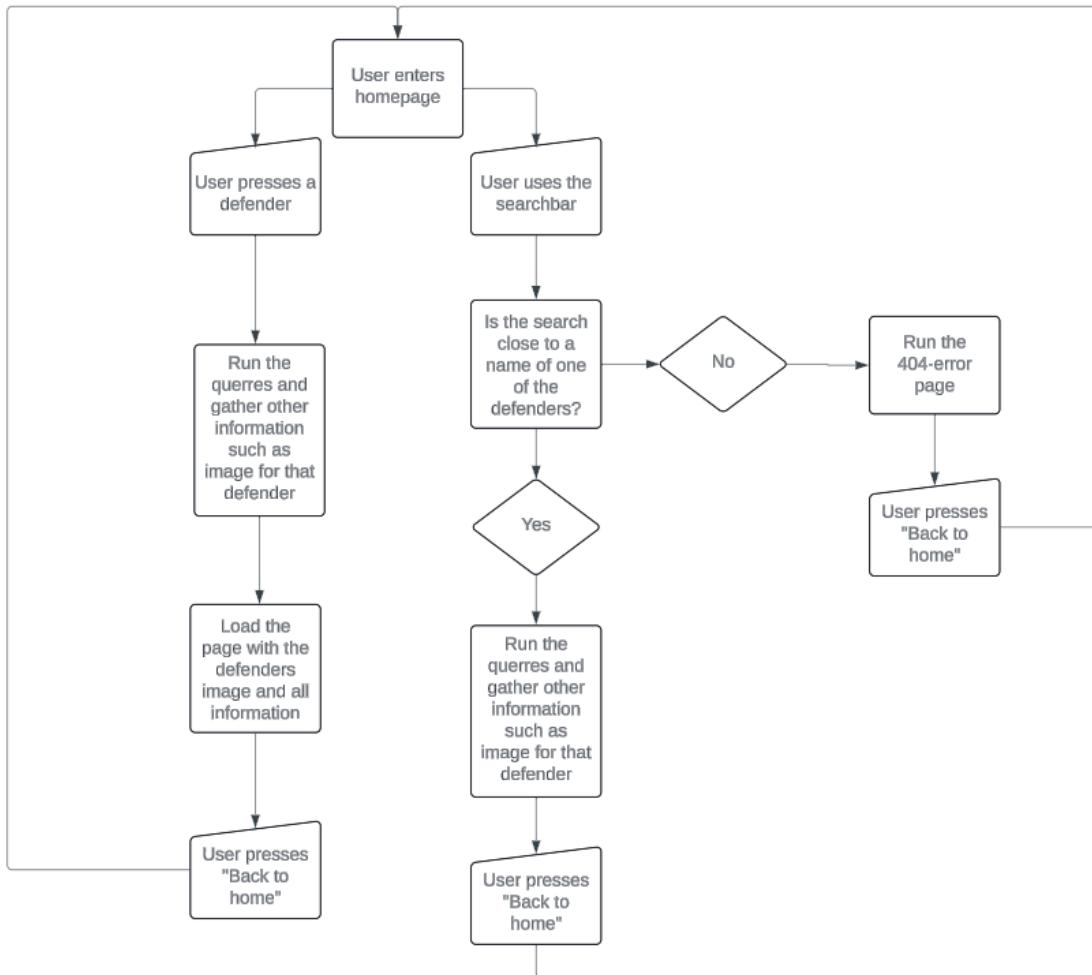
ER diagram:

This is a diagram of what the database will most likely look like, with a table for the main information about the defender, another table showing the defenders id number with the corresponding gadget and weapon ids that they

have available to them, and 2 other tables showing the name, description, and the id for the weapons and the gadget that the defender has:



Flow chart:



This is my flow chart to see roughly how my website will be working for the user.

SQL queries:

Some of the SQL entries that I may be using with this database and the website include things such as:

- `SELECT * FROM Defenders WHERE name = 'Solis';` (Or) `SELECT* FROM Defenders WHERE defender_id = '1';`
These are some examples that I will have to use when I need to retrieve detailed information about a specific operator that the user needs to see.
- `SELECT * FROM Defenders WHERE difficulty = 'hard';`

This is an example of if the user needed or wanted to see all of the defenders that have a hard difficulty rating, and this can also be used to see medium and easy as well by changing the words.

- `SELECT * FROM Weapons WHERE name = 'P90';`

This is an example of where the user wanted to find the id and the description of a specific weapon using the name of it.

- `SELECT * FROM Gadgets WHERE name = 'Spec io sensor';`

This is another example of where the user would want to know the description and the id of the "Spec-io sensor".

- There is also a very good chance I may be using JOIN statements to make things easier, similar to what I had done last year for the SQL assessment.

Routes/functions:

All of the routes that I have planned for my website so far are:

- `@app.route('/home')` For the homepage.
- `@app.route('/defender/<id>')` This will be a page for the defenders' information, and it will say the ID for the defender that it is displaying on the page.
- `@app.route('/search')` page for when the user searches a defender.
- `@app.errorhandler(404)` This will handle all of the errors for my website, such as someone entering a defender that doesn't exist into a search bar.

Web Design:



The main homepage will look similar except for a colored background, and the rest of the operators on defense that are not shown. Here the user is able to scroll through each defender in the same and select the one that they would like further information on. Here on the homepage, the buttons to select each defender will be colored black with white text in Lato font. The background will be in a light blue color. I may also add some filters in the future so that the user can filter out all of the operators that are a hard difficulty for example. This will also have a search bar at the top of the page so that the user can search up a defender if they wanted.

The image shows a user interface mockup for the Solis operator page. It includes an 'EXIT' button, a large title 'SOLIS', a stats panel, and an image placeholder.

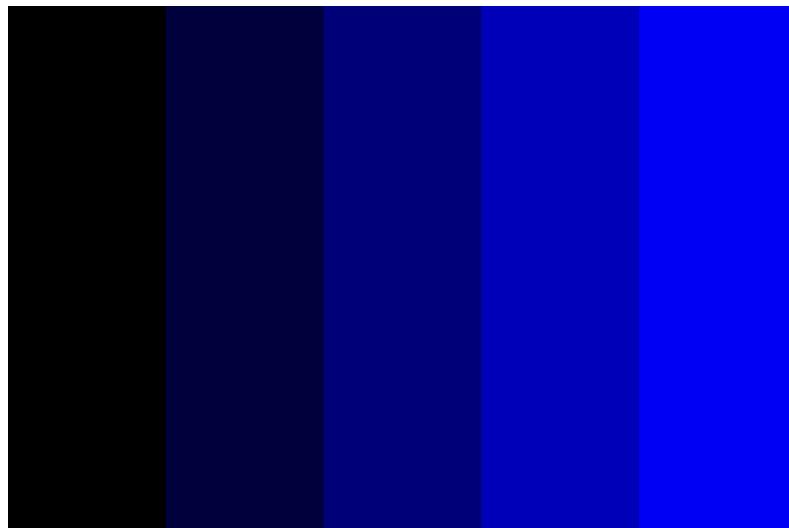
STATS

Name: Solis
Health: 110
Speed: 2
Armor: 2
Unlock cost: 20000
Gadget: Spec io sensor
Description: Sensor to detect attackers gadgets for information.
Weapon: P90
Description: Fast firing, low recoil, low damage weapon.

IMAGE

This is a rough sketch of what it will look like after the user selects one of the defenders on the main homepage, here the user can see the name of the defender, the health, speed, and armor of the defender, how much it costs to unlock them, the gadget they have and the description of it, the weapon of the defender and the description, and the image of what that specific operator looks like. I may add an image to show what weapon the defender has, and that would probably go under the image of the defender themselves. This page will also have an exit button in case the user wants to go back and look at a different defender. Here the font will be in Lato, and it will have the same formatting with the text being in black, the text box being white, and the text box border being black, with the background being a light blue color.

Color palette:



This is the color palette that I will be going to be going off of to design my website and make it aesthetically pleasing to the user's eyes. I went with these colors because I liked the dark blues mixed in with the lighter shades and I think that it would be perfect for my website here.

Font:



The font that I have chosen for my website is Lato. I have decided to use this style of font because I think that it is very easy to read effectively, while still being pleasing to the eye because of its simplicity. For those reasons, I have chosen the Lato font for my website.

Development stage:

Updated routes/functions:

@app.route('/')	This will take you to the homepage of the website.
@app.route('/about')	This will take you to the about page of the website.
@app.route('/defender/<int:defender_id>')	This will take you to the defender specific page with the defender's ID in the URL.
@app.route('/search')	This is the route that handles all of the search bar code.
@app.errorhandler(404)	This is the part that handles all of the code for the 404-error page.
Function ValidateSearch()	This is a function that I made that is used to

	tell the user to type something in before searching when they press the search button without typing anything into the search bar.
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Updated SQL queries:

For these SQL queries, I had to learn how to use JOIN statements using W3Schools, YouTube, and ChatGPT.

("SELECT * FROM Defenders")	This query is used to retrieve all of the rows and columns from the Defenders table in the database.
("SELECT * FROM Defenders WHERE defender_id = ?")	This query is used to retrieve all of the rows and columns from a specific defender that matches the specific defender_id.
("""SELECT Gadgets.name, Gadgets.description FROM Gadgets JOIN WeaponGadget ON Gadgets.gadget_id = WeaponGadget.gadget_id WHERE WeaponGadget.defender_id = ?""")	This query is used to retrieve the names and descriptions of the gadgets that are associated with the specific defender_id, by joining the Gadgets table with the WeaponGadget table based on the matching gadget_id.
("""SELECT Weapons.name, Weapons.description FROM Weapons JOIN WeaponGadget ON Weapons.weapon_id = WeaponGadget.weapon_id WHERE WeaponGadget.defender_id = ?""")	This query is used to retrieve the names and descriptions of the weapons that are associated with the specific defender_id, by joining the Weapons table with the WeaponGadget table based on the matching weapon_id.
("SELECT * FROM Defenders WHERE name LIKE ?")	This query is used to retrieve all the columns from the Defenders table for searches where the defender's name is similar or matches the specified search query, allowing for partial matches such as not case sensitive.

Relevant implications:

Website:

Functionality	Functionality is a very important relevant
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	<p>implication to take into consideration when making a website for users. This is because if the website is not functional, then there is no point in using it.</p> <p>For example if a user is on a shopping website, but you can't press the pay button to purchase items, there is no point in having the website in the first place.</p> <p>Functionality is important for my website because if my defender, home pages, or links are not functional, then there is no point for my website.</p>
Accessibility	<p>Accessibility is important to take into accountability when making a website. This is because it is important to allow people with disabilities such as vision impairment to still your website.</p> <p>My website uses this relevant implication by using large fonts, so people can easily read, as well as bright colors with buttons with green, and colors that are not the most common in color blindness. As well as links increase in size for people who cannot use mice as easily, as well as having large buttons.</p>

Aesthetics	<p>Aesthetics is an important implication to keep in mind when making a website. This is because if a website does not look good at all to the user, then it can make the user's experience and navigating the website poor.</p> <p>My website uses good aesthetics by making sure that all text is nice and easy to read, as well as having a nice Lato font. And by presenting the links in a grid style for the user, as well as the defender's information being presented in a nice way for the user to read by the information being centered and readable.</p>
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Database:

Legal	Legal is important to take into consideration when making a database because it
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	<p>ensures that everything that you have used is allowed and that you don't run the risk of legal disputes.</p> <p>Legal is relevant for my database because I require photos of characters in a very large video game.</p> <p>To make my website legal and avoid any legal disputes, I have selected images under the Creative Commons license in Google. Using this tool, and adhering to the rules that the owner has set about commercial and non-commercial use. I have made sure that my website is legal and that I will not encounter any legal problems with the owner of the images.</p>
Ethical/Moral	<p>Ethical/Moral is another important implication to take into consideration when making a database. This is because ethical makes sure that all of the information and images used in the website are correct and are represented properly. As well as making sure that there is no biases or discrimination for any information in the database. Ethical practices help to create trust with users.</p> <p>This is relevant to my database because I had to make sure that all of the information for each defender was correct to the actual game in real life, as well as the images being correct for those defenders. Some examples of where I got the detailed information for each defender was from the actual game itself, and some wiki pages related to the game and making sure that the information is correct. Making sure that all of this information in the database was correct as well as the images and that it came from a reliable source is ethical and builds trust with the users as they can trust what they are seeing from the database. I also made sure that there was no bias, leading a user to prefer one defender much over another when they shouldn't.</p>

GitHub commits:

 51 Commits

I have 51 commits for GitHub during the making of my site. These show how the site started off very simple and unaesthetic. And overtime, the site gets more complicated and better looking and performing for the user.

Testing:

This is the portion of the document where I tested basically everything on the website to see if there was anyway to break it through the buttons, search bar, or the URL. To see if every page, button, and search worked as intended. And to see if the fully final product works as originally intended from the start.

Testing: Each button for each defender on the homepage, to see if they operate as intended for the final product.

What:	How:	Expect:	Get:	Passed/Failed/Notes:
If the “Solis” button works.	Pressing and hovering over the “Solis” defender button in the homepage.	Would expect link to light up Green, get bigger, when hovering over. And redirect user to the Solis defender page.	The link lighted up green and increased in size, when hovered over. As well as got redirected to the Solis defender page.	Passed testing
If the “Fenrir” button works.	Hovering over and pressing on the “Fenrir” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Fenrir defender page.	The link lighted up green and increased in size when hovered over. As well as getting redirected to the Fenrir defender page.	Passed testing

If the “Azami” button works.	Hovering over, and pressing on the “Azami” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Azami defender page.	The link lighted up green and Link increased in size when hovered over. As well as getting redirected to the Azami defender page.	Passed testing
Testing if the “Valkare” button works as intended.	Hovering over, and pressing on the “Valkare” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Valkare defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Valkare defender page.	Passed testing
Testing if the “Wamai” button works as intended.	Hovering over, and pressing on the “Wamai” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Wamai defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Wamai defender page.	Passed testing
Testing if the “Warden” button works as intended.	Hovering over, and pressing on the “Warden” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Warden defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Warden defender page.	Passed testing
Testing if the “Mozzie” button works as intended.	Hovering over, and pressing on the “Mozzie” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Mozzie defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Mozzie defender page.	Passed testing
Testing if the “Kaid” button works as intended.	Hovering over, and pressing on the “Kaid” defender button	Would be expecting to have the link light up Green, get bigger	The link lighted up green and the Link increased in size when	Passed testing

Testing if the “Maestro” button works as intended.	Hovering over, and pressing on the “Maestro” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Maestro defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Maestro defender page.	Passed testing
Testing if the “Echo” button works as intended.	Hovering over, and pressing on the “Echo” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Echo defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Echo defender page.	Passed testing
Testing if the “Frost” button works as intended.	Hovering over, and pressing on the “Frost” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Frost defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Frost defender page.	Passed testing
Testing if the “Castle” button works as intended.	Hovering over, and pressing on the “Castle” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Castle defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Castle defender page.	Passed testing
Testing if the “Bandit” button works as intended.	Hovering over, and pressing on the “Bandit” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Bandit defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Bandit defender page.	Passed testing
Testing if the “Kapkan” button works as	Hovering over, and pressing on the “Kapkan”	Would be expecting to have the link light up	The link lighted up green and the Link increased in	Passed testing

Testing if the “Tachanka” button works as intended.	Hovering over, and pressing on the “Tachanka” defender button in the homepage.	Would be expecting to have the link light up Green, get bigger when hovering over. And redirect user to the Tachanka defender page.	The link lighted up green and the Link increased in size when hovered over. As well as getting redirected to the Tachanka defender page.	Passed testing
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Testing: If the 404-error page triggers, when needed. And if the URL of the website can be broken, triggering any sort of other error.

Testing if the 404-error page triggers when the wrong numbers or letters are in the URL.	By typing a “/” into the URL, then typing in any random integers or letters/words into the URL.	We would be expecting to be redirected to the 404-error page when typing in these random numbers or letters/words into the URL.	When typing in “12345”, “cricket”, and “45trigger89”, into the URL after the “/”. I was redirected to the 404-error page as expected, showing that it does trigger properly.	Passed testing
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Testing if the website can be broken by modifying the defender ID when on one of the defenders pages. Or when modifying any other part of the URL past the first “/”.	By typing in “36” when in the defenders page where the URL is “127.0.0.1:5000/defender/2”. When the total amount of defender IDs are 35. Or typing in a “0”, when the lowest amount Defender ID is 1. Or by modifying the URL past the first “/”	We would be expecting to have the user be redirected to the 404-error page when these modifications are made.	When the defenders ID, or any other part was modified in the URL when in the defenders page, the user was redirected to the 404-error page as expected, even when just going one value over or under the amount of defender IDs in the database.	Passed testing
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Testing if there can be an error triggered when the URL is flooded with a	By typing a lot of letters and numbers into the URL after adding a “/” into it.	We would expect the user to be redirected into the 404-error page, once the	When the URL of the website has a lot of numbers and letters types into it after adding	Testing failed. I need to look over the error detection again, and maybe add
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bunch of numbers or letters.		URL has been overloaded with numbers and letters.	a “/”, instead of the 404-error page being triggered redirecting the user, the website broke with an “Overflow” error page appearing after the URL was modified.	the code to detect when the URL is too long, and trigger the 404-error page.
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Testing if the 404-error page triggers if there is an unknown name typed into the search bar.	By typing in random numbers or letters into the search bar and pressing search.	We would be expecting the user to be redirected to the 404-error page	When typing in “12345”, and random words or letters such as “Defender”, and “abcd”. The user is redirected to the 404-error page, as expected.	Passed testing
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Testing: If the search bar can be broken, and if the search bar is actually operable.

Testing if the search bar can be accidentally broken by the user by typing in wrong letters, words, or integers.	By typing in random numbers or letters/words into the search bar, and pressing enter.	We would be expecting to get redirected to the 404-error page because it is not any of the names of the defenders in the database.	When typing in “123456” and pressing enter, the user is redirected to the 404-error page. When typing “Defender” into the search bar, the user is again redirected to the same 404-error page, with the prompt to “go back to home”. And when typing in a mix of letters and numbers, such as “defender55”, it redirects the user to the same	Passed testing
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			404-error page.	
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Testing if the search bar actually works if you type in a defender's name, uppercase or lowercase.	By typing in a defender's name, with all lowercase letters, and then all uppercase letters.	We would be expecting to have no errors, and for the defender's page to be loaded depending on what name is typed into the search bar, no matter if it has capital letters or not.	When typing in "solis" into the search bar, as expected, after pressing enter it redirects the user to the Solis defender page. When typing in "SOLIS", "Solis", "soLiS", or any other varieties of capital and non-capital letters, it still redirects the user to the Solis defender page. As it should. This also works for all of the other defenders on the database, as I tested all of them, like the buttons on the homepage.	Passed testing
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Testing what happens when the user presses search without typing anything into the search bar.	By just pressing search without entering anything into the search bar.	Would be expecting the user to be redirected to the 404-error page because of the code that I have implemented into the error detection for the search bar.	When the user presses the search button without typing anything into the search bar, they are redirected to the 404-error page as expected.	Passed testing, but maybe I should modify it to not do anything, as this could be a nuisance for the user.
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UPDATE:

Update for the test above, I have since added a function where if the user presses search without typing anything into the search bar. It instead of redirecting the user to the 404-error page, it instead says to the user "Please type something in before searching". This is better because the user will not be confused why the 404-error page appeared or what happened if the accidentally presses search.

Testing what happens when the user presses search after typing in a very long amount of	By pressing the search bar, and inputting as many integers or letters as possible then pressing enter.	We would be expecting the user to be redirected to the 404-error page because it does	When the user inputted as many numbers or letters into the search bar as possible, for	Failed testing.
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numbers or letters.		not match any of the defenders names. No matter how long it is.	example I used the first million digits of pi. The website broke and came up with a massive error instead of the 404-error page.	
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UPDATE:

For the test above, I have since added a maximum character value into the search bar. This makes it so that the user cannot input too many values into the search bar and break it. Because the maximum is not 25 characters, no matter what random numbers or letters are inputted that don't match a defenders name, the user is redirected to the 404-error page.

Testing: If all of the “Back to home” buttons on the website actually redirect the user back to the homepage, as they should, and that they operate completely as intended.

Testing if the “Back to home” buttons on each defender’s specific page actually redirects the user to the homepage. And works as intended.	By clicking onto one of the defenders pages or by searching for a defender, then pressing the “Back to home” button on the top right of the page. The button should also turn green when mouse is hovering over the button.	When the user hovers over the “Back to home” button it should turn into a bright green color similar to the links for the defenders on the homepage. Once pressed, I expect it to bring the user back to the top of the homepage of the website with all of the links to the defenders available.	When the user is in one of the Defenders pages such as the Solis page. The “Back to home” button appears in the top right of the page as expected, and when the user hovers over the button, the background of it turns to a bright green. And when pressed, it will render the homepage for the user to select or search for another defender. This works on all of the defender pages as I tested all of them for this.	Passed testing
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Testing if the “Back to home” button works on the 404-error page as	By triggering the 404-error page, then pressing the “Back to home” button. And by	We would expect for the user to be redirected to the homepage after pressing the	When the user hovers over the “Back to home” button when in the 404-error	Passed testing
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expected.	hovering the mouse over the button.	"Back to home" button in the 404-error page. We would also be expecting the button to turn into a light green color when the user is hovering over it.	page, the button turns to a light green color as intended. Once the user has pressed the button, the user is then redirected to the main homepage as expected.	
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Testing if the "Back to home" button works on the about page as expected.	By going into the about page and then pressing the "Back to home" button. And by hovering over the button.	We would expect the user to be redirected to the home page when they press the "Back to home" button in the about page. And for the button to change to a light green color when the user hovers over it.	When the User hovered over the "Back to home" button it turned to a light green color as expected. And when the user pressed the button in the about page, it redirected the user back to the homepage where all of the links to the defenders and the search bar is.	Passed testing
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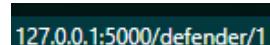
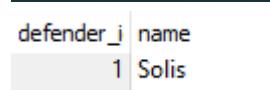
Testing: If the "About" button works as expected on the homepage.

Testing if the "About" button works as intended on the homepage.	By hovering over the "About" button and pressing it on the homepage.	We would be expecting the "About" button to turn into a light green color when being hovered over, then when pressed we would be expecting the user to be redirected to the about page where all of the instructions for the page are.	When the user hovered over the "About" button, it turned into a light green color as expected. Then when the button was clicked, the user was redirected to the about page with all of the instructions for the site to the user.	Passed testing
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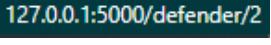
Data integrity check: is the data the site is showing the user correct or not?

Doing all of the data integrity checks, and making sure that all of the information being displayed on to the user is the same as the information in the database is very important because if something is not the same then the information that is being displayed to the user could be incorrect. Damaging the trust and functionality of the website overall.

Testing if the links that are being displayed to the user are correct with what is in the database:

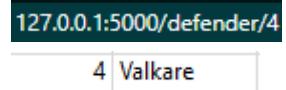
What is being tested?	How is it being tested?	What were the results?	Pass/Fail/Notes
Testing if the link to the Solis page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/1". This is correct as the defender_id of Solis in the database is 1.   Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.	Passed.
Testing if the link to the Fenrir page is	By hovering over the link, and seeing the	When the link was hovered over, on the	Passed.

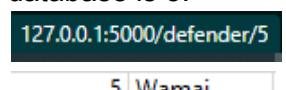
Testing if the link to the Fenrir page is	By hovering over the link, and seeing the	When the link was hovered over, on the	Passed.
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correct.	defender_id for the link.	<p>bottom left of the page the link said "/defender/2". This is correct as the defender_id of Fenrir in the database is 2.</p>  <table border="1" data-bbox="807 521 1078 565"> <tr> <td>2</td> <td>Fenrir</td> </tr> </table> <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	2	Fenrir	
2	Fenrir				

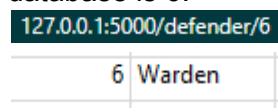
Testing if the link to the Azami page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/3". This is correct as the defender_id of Azami in the database is 3.</p>  <table border="1" data-bbox="807 1397 1078 1441"> <tr> <td>3</td> <td>Azami</td> </tr> </table> <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	3	Azami	Passed.
3	Azami				

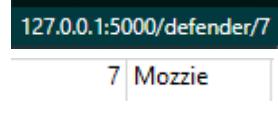
Testing if the link to the Valkare page is correct.	By hovering over the link, and seeing the defender_id for the	When the link was hovered over, on the bottom left of the	Passed.
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	link.	<p>page the link said "/defender/4". This is correct as the defender_id of Valkare in the database is 4.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the link to the Wamai page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/5". This is correct as the defender_id of Wamai in the database is 5.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Warden page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said	Passed.
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		<p>"/defender/6". This is correct as the defender_id of Warden in the database is 6.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the link to the Mozzie page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/7". This is correct as the defender_id of Mozzie in the database is 7.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Kaid page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/8". This is</p>	Passed.
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		<p>correct as the defender_id of Kaid in the database is 8.</p>	
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Testing if the link to the Lesion page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/9". This is correct as the defender_id of Lesion in the database is 9.</p> <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Mira page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/10". This is correct as the defender_id of Mira in the database is 10.</p> <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is</p>	Passed.
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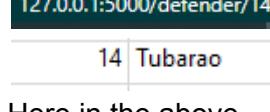
		in the database on the left, and the defender's name in the database on the right.	
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Testing if the link to the Mute page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/11". This is correct as the defender_id of Mute in the database is 11.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Smoke page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/12". This is correct as the defender_id of Smoke in the database is 12.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on</p>	Passed.
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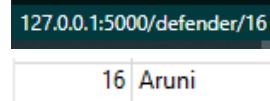
		the left, and the defender's name in the database on the right.	
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Testing if the link to the Jager page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/13". This is correct as the defender_id of Jager in the database is 13.  Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.	Passed.
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Testing if the link to the Tubarao page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/14". This is correct as the defender_id of Tubarao in the database is 14.  Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.	Passed.
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		the left, and the defender's name in the database on the right.	
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Testing if the link to the Thorn page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/15". This is correct as the defender_id of Thorn in the database is 15.  Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.	Passed.
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Testing if the link to the Aruni page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/16". This is correct as the defender_id of Aruni in the database is 16.  Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the	Passed.
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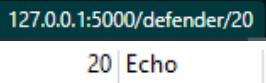
		defender's name in the database on the right.	
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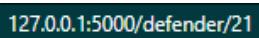
Testing if the link to the Melusi page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/17". This is correct as the defender_id of Melusi in the database is 17</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right..</p>	Passed.
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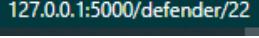
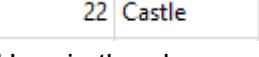
Testing if the link to the Goyo page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/18". This is correct as the defender_id of Goyo in the database is 18.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right..</p>	Passed.
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		right.	
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Testing if the link to the Maestro page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/19". This is correct as the defender_id of Maestro in the database is 19.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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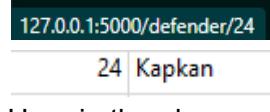
Testing if the link to the Echo page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/20". This is correct as the defender_id of Echo in the database is 20.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Frost page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/21". This is correct as the defender_id of Frost in the database is 21.  	Passed.
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Testing if the link to the Castle page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/22". This is correct as the defender_id of Castle in the database is 22.  	Passed.
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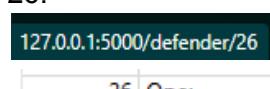
Testing if the link to	By hovering over the	When the link was	Passed.
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the Bandit page is correct.	link, and seeing the defender_id for the link.	hovered over, on the bottom left of the page the link said "/defender/23". This is correct as the defender_id of Bandit in the database is 23. 	
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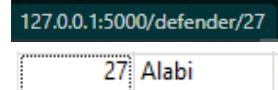
Testing if the link to the Kapkan page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said "/defender/24". This is correct as the defender_id of Kapkan in the database is 24. 	Passed.
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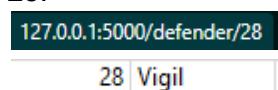
Testing if the link to the Thunderbird	By hovering over the link, and seeing the	When the link was hovered over, on the	Passed.
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page is correct.	defender_id for the link.	<p>bottom left of the page the link said "/defender/25". This is correct as the defender_id of Thunderbird in the database is 25.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the link to the Oryx page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/26". This is correct as the defender_id of Oryx in the database is 26.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Alabi page is correct.	By hovering over the link, and seeing the defender_id for the	When the link was hovered over, on the bottom left of the	Passed.
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	link.	<p>page the link said "/defender/27". This is correct as the defender_id of Alabi in the database is 27.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the link to the Vigil page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/28". This is correct as the defender_id of Vigil in the database is 28.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Pulse page is correct.	By hovering over the link, and seeing the defender_id for the link.	When the link was hovered over, on the bottom left of the page the link said	Passed.
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		<p>"/defender/29". This is correct as the defender_id of Pulse in the database is 29.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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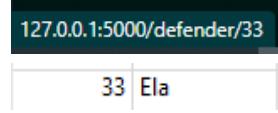
Testing if the link to the Doc page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/30". This is correct as the defender_id of Doc in the database is 30.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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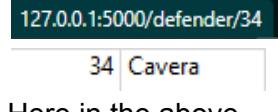
Testing if the link to the Rook page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/31". This</p>	Passed.
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		<p>is correct as the defender_id of Rook in the database is 31.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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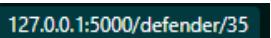
Testing if the link to the Clash page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/32". This is correct as the defender_id of Clash in the database is 32.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Ela page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/33". This is correct as the</p>	Passed.
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		<p>defender_id of Ela in the database is 33.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the link to the Cavera page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/34". This is correct as the defender_id of Cavera in the database is 34.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	Passed.
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Testing if the link to the Tachanka page is correct.	By hovering over the link, and seeing the defender_id for the link.	<p>When the link was hovered over, on the bottom left of the page the link said "/defender/35". This is correct as the defender_id of Tachanka in the</p>	Passed.
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		<p>database is 35.</p>  <p>Here in the above images, the first is a screenshot of the link when hovering over it. The second image is the defenders_id that is in the database on the left, and the defender's name in the database on the right.</p>	
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Testing if the information that is being shown for each defender on the website is correct when compared to what is in the database:

Testing if the information given on the Solis page is correct when compared to the information for Solis on the database	We would be expecting that all of the information for Solis on the database would be the same as the information being shown on the website when on the Solis page.	When I was on the Solis page on the website this was the main information that was displayed: 	Passed.
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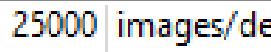
name	speed	difficulty	unlock_cos	image	health
Solis	medium	hard	20000	images/defender1.jpg	110

Testing if the information given on the Fenrir page is correct when compared to the information for	We would be expecting that all of the information for Fenrir on the database would be the same as the	When I was on the Fenrir page on the website this was the main information that was displayed:	Passed.
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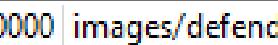
Fenrir on the database	information being shown on the website when on the Fenrir page.		As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	
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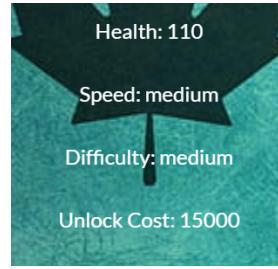
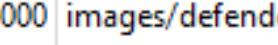
Fenrir | medium | medium | 25000 |  | 110

Testing if the information given on the Azami page is correct when compared to the information for Azami on the database	We would be expecting that all of the information for Azami on the database would be the same as the information being shown on the website when on the Azami page.	When I was on the Azami page on the website this was the main information that was displayed: 	Passed.
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Azami | medium | medium | 25000 |  | 110

Testing if the information given on the Valkare page is correct when compared to the information for Valkare on the database	We would be expecting that all of the information for Valkare on the database would be the same as the information being shown on the website when on the Valkare page.	When I was on the Valkare page on the website this was the main information that was displayed:	Passed.
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Valkare	medium	easy	10000  110

Testing if the information given on the Wamai page is correct when compared to the information for Wamai on the database	We would be expecting that all of the information for Wamai on the database would be the same as the information being shown on the website when on the Wamai page.	When I was on the Wamai page on the website this was the main information that was displayed: 	Passed.
Wamai	medium	medium	15000  110

Testing if the information given on the Warden page is correct when compared to the information for Warden on the database	We would be expecting that all of the information for Warden on the database would be the same as the information being shown on the website when on the Warden page.	When I was on the Warden page on the website this was the main information that was displayed: 	Passed.
Warden	medium	medium	10000  110

			As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	
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Warden | medium | medium | 10000 | images/defender6.jpg | 110

Testing if the information given on the Mozzie page is correct when compared to the information for Mozzie on the database	We would be expecting that all of the information for Mozzie on the database would be the same as the information being shown on the website when on the Mozzie page.	When I was on the Mozzie page on the website this was the main information that was displayed:  A black maple leaf with the following stats: Health: 110 Speed: medium Difficulty: easy Unlock Cost: 10000	Passed.
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Mozzie | medium | easy | 10000 | images/defender7.jpg | 110

Testing if the information given on the Kaid page is correct when compared to the information for Kaid on the database	We would be expecting that all of the information for Kaid on the database would be the same as the information being shown on the website when on the Kaid page.	When I was on the Kaid page on the website this was the main information that was displayed:  A black maple leaf with the following stats: Health: 125 Speed: slow Difficulty: medium Unlock Cost: 10000	Passed.
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Kaid | slow | medium | 10000 | images/defender8.jpg | 125

Testing if the information given on the Lesion page is correct when compared to the information for Lesion on the database	We would be expecting that all of the information for Lesion on the database would be the same as the information being shown on the website when on the Lesion page.	When I was on the Lesion page on the website this was the main information that was displayed: 	Passed.
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Lesion	medium	medium	10000	images/defender9.jpg	110
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Testing if the information given on the Mira page is correct when compared to the information for Mira on the database	We would be expecting that all of the information for Mira on the database would be the same as the information being shown on the website when on the Mira page.	When I was on the Mira page on the website this was the main information that was displayed: 	Passed.
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Mira	slow	hard	10000	images/defender10.jpg	125
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Testing if the information given on the Mute page is correct when compared to the information for Mute on the database	We would be expecting that all of the information for Mute on the database would be the same as the information being shown on the website when on the Mute page.	When I was on the Mute page on the website this was the main information that was displayed:	Passed.
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Mute	slow	medium	1000 images/defender11.jpg 125

Testing if the information given on the Smoke page is correct when compared to the information for Smoke on the database	We would be expecting that all of the information for Smoke on the database would be the same as the information being shown on the website when on the Smoke page.	When I was on the Smoke page on the website this was the main information that was displayed: 	Passed.
Smoke	medium	medium	1000 images/defender12.jpg 110

Testing if the information given on the Jager page is correct when compared to the information for Jager on the database	We would be expecting that all of the information for Jager on the database would be the same as the information being shown on the website when on the Jager page.	When I was on the Jager page on the website this was the main information that was displayed: 	Passed.
		As you can see this is the same as what is in my database	

		which is shown below, as well as having the correct image in the page.	
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Jager medium medium 1000 [images/defender13.jpg](#) 110

Testing if the information given on the Tubarao page is correct when compared to the information for Tubarao on the database	We would be expecting that all of the information for Tubarao on the database would be the same as the information being shown on the website when on the Tubarao page.	When I was on the Tubarao page on the website this was the main information that was displayed:  As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	Passed.
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Tubarao medium medium 25000 [images/defender14.jpg](#) 110

Testing if the information given on the Thorn page is correct when compared to the information for Thorn on the database	We would be expecting that all of the information for Thorn on the database would be the same as the information being shown on the website when on the Thorn page.	When I was on the Thorn page on the website this was the main information that was displayed:  As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	Passed.
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Thorn medium medium 15000 [images/defender15.jpg](#) 110

Testing if the	We would be	When I was on the	Passed.
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information given on the Aruni page is correct when compared to the information for Aruni on the database	expecting that all of the information for Aruni on the database would be the same as the information being shown on the website when on the Aruni page.	Aruni page on the website this was the main information that was displayed: 	
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Aruni	medium	medium	20000	images/defender16.jpg	110
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Testing if the information given on the Melusi page is correct when compared to the information for Melusi on the database	We would be expecting that all of the information for Melusi on the database would be the same as the information being shown on the website when on the Melusi page.	When I was on the Melusi page on the website this was the main information that was displayed: 	Passed.
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Melusi	slow	medium	10000	images/defender17.jpg	110
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Testing if the information given on the Goyo page is correct when compared to the information for Goyo on the database	We would be expecting that all of the information for Goyo on the database would be the same as the information being shown on the website when on the Goyo page.	When I was on the Goyo page on the website this was the main information that was displayed:	Passed.
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	Goyo page.		
		As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	

Goyo	medium	medium	15000	images/defender18.jpg	110
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Testing if the information given on the Maestro page is correct when compared to the information for Maestro on the database	We would be expecting that all of the information for Maestro on the database would be the same as the information being shown on the website when on the Maestro page.	When I was on the Maestro page on the website this was the main information that was displayed: 	Passed.
		As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.	

Maestro	slow	hard	10000	images/defender19.jpg	125
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Testing if the information given on the Echo page is correct when compared to the information for Echo on the database	We would be expecting that all of the information for Echo on the database would be the same as the information being shown on the website when on the Echo page.	When I was on the Echo page on the website this was the main information that was displayed: 	Passed.
		As you can see this	

			is the same as what is in my database which is shown below, as well as having the correct image in the page.	
--	--	--	--	--

Echo **fast** **hard** **10000** [images/defender20.jpg](#) **100**

Testing if the information given on the Frost page is correct when compared to the information for Frost on the database	We would be expecting that all of the information for Frost on the database would be the same as the information being shown on the website when on the Frost page.	When I was on the Frost page on the website this was the main information that was displayed: 	Passed.
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Frost **medium** **easy** **10000** [images/defender21.jpg](#) **110**

Testing if the information given on the Castle page is correct when compared to the information for Castle on the database	We would be expecting that all of the information for Castle on the database would be the same as the information being shown on the website when on the Castle page.	When I was on the Castle page on the website this was the main information that was displayed: 	Passed.
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Castle medium

easy

1000 images/defender22.jpg

110

Testing if the information given on the Bandit page is correct when compared to the information for Bandit on the database

We would be expecting that all of the information for Bandit on the database would be the same as the information being shown on the website when on the Bandit page.

When I was on the Bandit page on the website this was the main information that was displayed:



As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.

Passed.

Bandit

medium

medium

1000

images/defender23.jpg

110

Testing if the information given on the Kapkan page is correct when compared to the information for Kapkan on the database

We would be expecting that all of the information for Kapkan on the database would be the same as the information being shown on the website when on the Kapkan page.

When I was on the Kapkan page on the website this was the main information that was displayed:



As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.

Passed.

Kapkan

medium

easy

1000

images/defender24.jpg

110

Testing if the information given on the Thunderbird page is correct when compared to the information for

We would be expecting that all of the information for Thunderbird on the database would be the same as the

When I was on the Thunderbird page on the website this was the main information that was displayed:

Passed.

Thunderbird on the database	information being shown on the website when on the Thunderbird page.	 <p>Health: 110 Speed: medium Difficulty: easy Unlock Cost: 20000</p>	
-----------------------------	--	---	--

Thunderbird | medium | easy

20000 | [images/defender25.jpg](#)

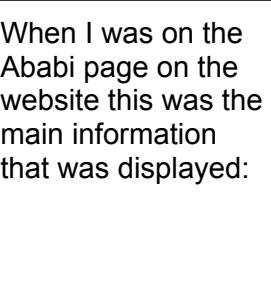
110

Testing if the information given on the Oryx page is correct when compared to the information for Oryx on the database	We would be expecting that all of the information for Oryx on the database would be the same as the information being shown on the website when on the Oryx page.	 <p>Health: 100 Speed: fast Difficulty: easy Unlock Cost: 20000</p>	Passed.
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Oryx | fast | easy

20000 | [images/defender26.jpg](#)

100

Testing if the information given on the Alabi page is correct when compared to the information for Alabi on the database	We would be expecting that all of the information for Alabi on the database would be the same as the information being shown on the website when on the Alabi page.	 <p>Health: 100 Speed: fast Difficulty: easy Unlock Cost: 20000</p>	Passed.
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		 <p>As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.</p>	
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Alabi	fast	hard	10000	images/defender27.jpg	100
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Testing if the information given on the Vigil page is correct when compared to the information for Vigil on the database	We would be expecting that all of the information for Vigil on the database would be the same as the information being shown on the website when on the Vigil page.	 <p>When I was on the Vigil page on the website this was the main information that was displayed:</p> <p>As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.</p>	Passed.
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Vigil	fast	hard	10000	images/defender28.jpg	100
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Testing if the information given on the Pulse page is correct when compared to the information for Pulse on the database	We would be expecting that all of the information for Pulse on the database would be the same as the information being shown on the website when on the Pulse page.	 <p>When I was on the Pulse page on the website this was the main information that was displayed:</p>	Passed.
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		 <p>As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.</p>	
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Pulse

slow

hard

1000

[images/defender29.jpg](#)

100

Testing if the information given on the Doc page is correct when compared to the information for Doc on the database	We would be expecting that all of the information for Doc on the database would be the same as the information being shown on the website when on the Doc page.	 <p>When I was on the Doc page on the website this was the main information that was displayed:</p> <p>As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.</p>	Passed.
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Doc

slow

easy

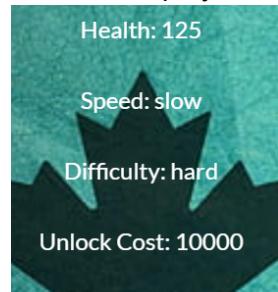
1000

[images/defender30.jpg](#)

125

Testing if the information given on the Rook page is correct when compared to the information for Rook on the database	We would be expecting that all of the information for Rook on the database would be the same as the information being shown on the website when on the Rook page.	 <p>When I was on the Rook page on the website this was the main information that was displayed:</p>	Passed.
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Rook	slow	easy	1000 images/defender31.jpg 125

Testing if the information given on the Clash page is correct when compared to the information for Clash on the database	We would be expecting that all of the information for Clash on the database would be the same as the information being shown on the website when on the Clash page.	When I was on the Clash page on the website this was the main information that was displayed: 	Passed.
Clash	slow	hard	10000 images/defender32.jpg 125

Testing if the information given on the Ela page is correct when compared to the information for Ela on the database	We would be expecting that all of the information for Ela on the database would be the same as the information being shown on the website when on the Ela page.	When I was on the Ela page on the website this was the main information that was displayed:	Passed.
Clash	slow	hard	10000 images/defender32.jpg 125

			
Ela	fast	medium	10000 images/defender33.jpg 100

Testing if the information given on the Cavera page is correct when compared to the information for Cavera on the database	We would be expecting that all of the information for Cavera on the database would be the same as the information being shown on the website when on the Cavera page.	When I was on the Cavera page on the website this was the main information that was displayed: 	Passed.
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Cavera	fast	hard	10000 images/defender34.jpg 100
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Testing if the information given on the Tachanka page is correct when compared to the information for Tachanka on the database	We would be expecting that all of the information for Tachanka on the database would be the same as the information being shown on the website when on the Tachanka page.	When I was on the Tachanka page on the website this was the main information that was displayed:	Passed.
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		 <p>Health: 125 Speed: slow Difficulty: medium Unlock Cost: 1000</p> <p>As you can see this is the same as what is in my database which is shown below, as well as having the correct image in the page.</p>	
Tachanka	slow	medium	1000 images/defender35.jpg 125

Testing that the weapons and gadgets for each defender on the website are the same as the ones in the database, and are correctly displaying:

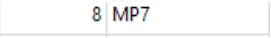
Testing if the gadget and the weapon for Solis is the same as the gadget and weapon in the database.	By looking at the gadget and weapon_ids in the WeaponGadget table, and seeing if they match up to the defenders_id	<p>As we can see here Solis's weapon has the id of 1:</p> <table border="1"> <tr> <td>1</td><td>P90</td></tr> </table> <p>Her gadget has the id of 2:</p> <table border="1"> <tr> <td>2</td><td>Spec-io sensor</td></tr> </table> <p>As we can see here their weapon and gadget_ids are correctly connected to their defender_id of one in the WeaponGadget table:</p> <table border="1"> <thead> <tr> <th>defender_id</th><th>weapon_id</th><th>gadget_id</th></tr> </thead> <tbody> <tr> <td>1</td><td>1</td><td>2</td></tr> </tbody> </table> <p>And this all being correct allows the website to display the correct weapon and gadget for Solis, shown below:</p>	1	P90	2	Spec-io sensor	defender_id	weapon_id	gadget_id	1	1	2	Passed testing
1	P90												
2	Spec-io sensor												
defender_id	weapon_id	gadget_id											
1	1	2											

Weapons

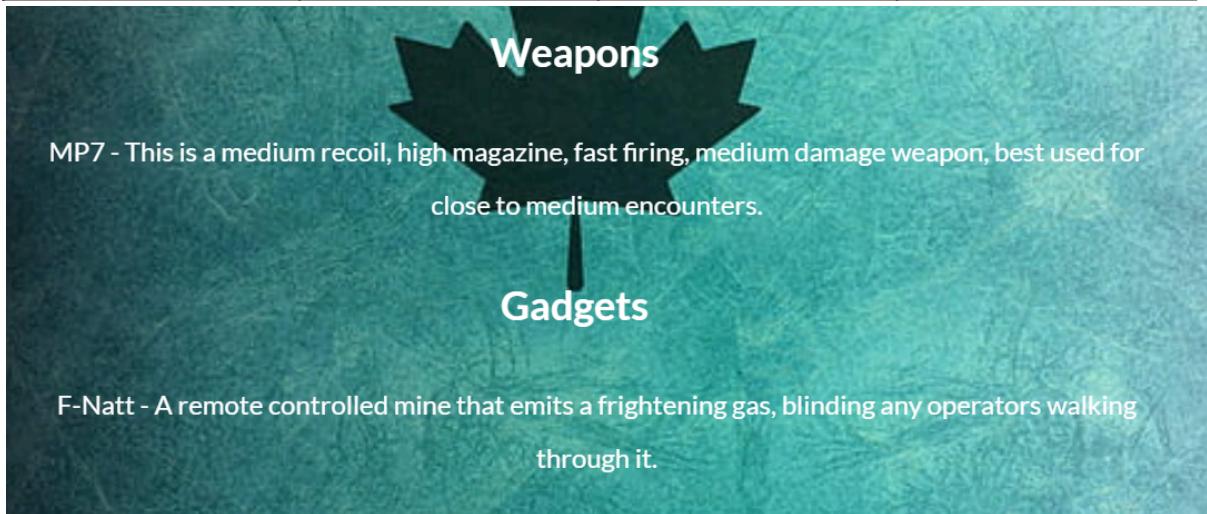
P90 - A very fast-firing, low damage, low recoil, high magazine SMG, usefull for close to medium range encounters.

Gadgets

Spec-io sensor - A gadget detection device that can see attackers electronic gadgets through walls, giving more information to her team.

Testing if the gadget and the weapon for Fenrir is the same as the gadget and weapon in the database.	By looking at the gadget and weapon_ids and seeing if they match up to the defenders_id	This proved to be the same as the Solis test, but with all of the correct weapon, gadget and defender ids as shown below: Fenrir's weapon_id is 8. As shown below:  Fenrir's gadget_id is 1. As shown below: 	Passed testing
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		correct display of Fenrir's weapon and gadget as shown below:	
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All of these weapon and gadgets tests are the same for every defender, with all of their defender_id, weapon_id, and gadget_id being correctly connected in the WeaponsGadget table of the database, allowing for the correct display of information to the user.

In conclusion, all of my data integrity tests passed. This means that the information that the viewer is seeing on the website is correct, and that it is the same information that is in the database in SQLiteStudio.