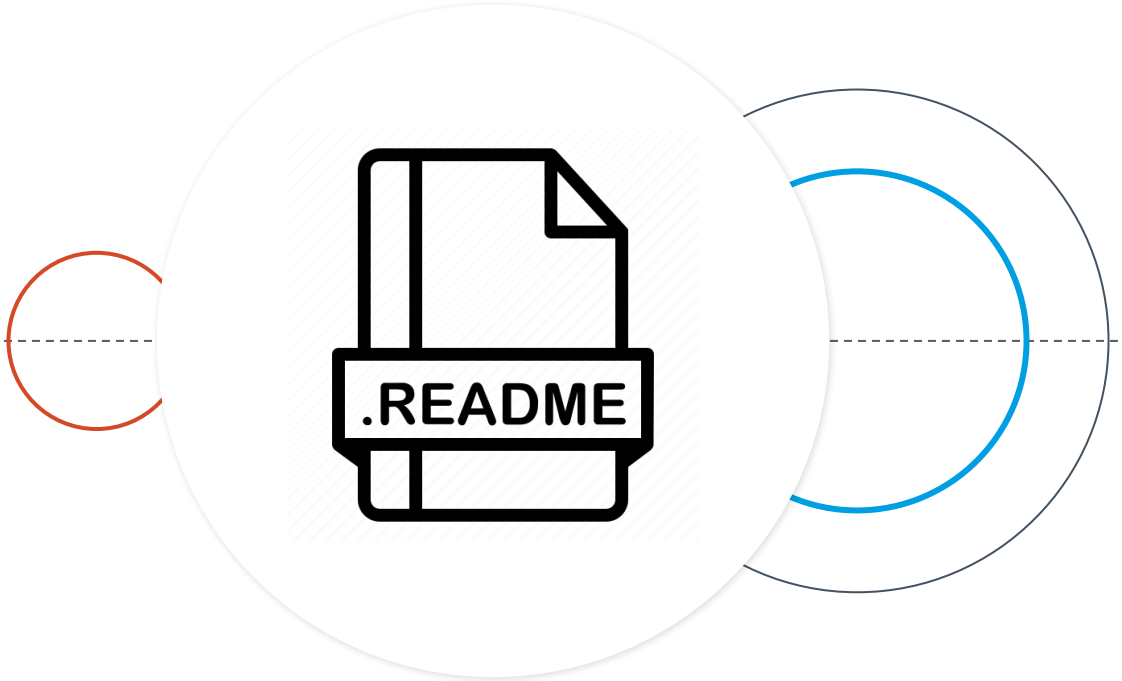
code institute



Creating a README

How to put together a well documented README for your projects

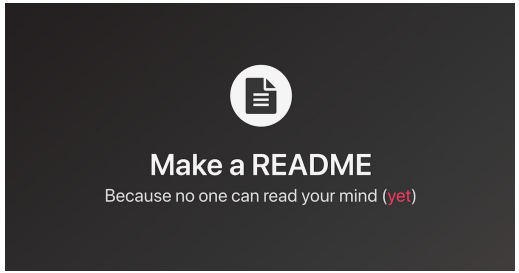
README.md

WHY make it?

- Communication with Assessor
- Credit your sources
- Explain the design and development process
- Demonstrate your testing
- Show your thought process

What is it?

- A document that explains your project
- Displayed when your github repo is viewed
- A crucial part of the development process



How is it made?

- Markdown language
- .md file extension
- Created and lives in your project folder

What is required in it?

- Project overview
- UX with user stories
- Manual testing
- Deployment
- Crediting sources
- Knows bugs
- Future features

code institute

README Sections

README.md

Love Running

In this section, you will include one or two paragraphs providing an overview of your project. Essentially, this part is your sales pitch. At this stage, you should have a name for your project so use it! Don't introduce the project as a Portfolio project for the diploma. In this section, describe what the project hopes to accomplish, who it is intended to target and how it will be useful to the target audience.

For example; Love Running is a site that hopes to help keep people motivated to meet up for runs on a regular basis in Dublin, Ireland. The site will be targeted toward runners who are looking for a way to socialise and keep themselves fit. Love Running will be useful for runners to see exactly when and where they should be to join the running club.

Features

In this section, you should go over the different parts of your project, and describe each in a sentence or so. You will need to explain what value each of the features provides for the user, focusing on who this website is for, what it is that they want to achieve and how your project is the best way to help them achieve these things.

Important readme sections

- List of features
- UX/UI
- Testing
- Deployment
- Citation of **ALL** sources(code, images, text)
- Future features
- Known Bugs

README.md

Deployment

GitHub Pages

I used the following steps to deploy the project.

1. Log in to Github and navigate to the repository.
2. On Github repository page, click on settings tab.
3. Scroll down to Pages tab on the menu on the left hand side.
4. Under Source, click the Branch drop down menu and select main.
5. Click Save.
6. The page will update and show the text "Your site is published at https://sblakedev.github.io/Project-2/"

Forking the Repository

To fork the repository in order to make a copy so as to view or make changes to the site without affecting the original repository, the following steps are to be used.

1. Log in to Github and navigate to the repository.
2. On the right hand side, above the setting tab, click the 'Fork' button.
3. There will now be a copy of the original respository in your GitHub account.

Testing

In this section, you need to convince the assessor that you have conducted enough testing to legitimately believe that the site works well. Essentially, in this part you will want to go over all of your project's features and ensure that they all work as intended, with the project providing an easy and straightforward way for the users to achieve their goals.

In addition, you should mention in this section how your project looks and works on different browsers and screen sizes.

You should also mention in this section any interesting bugs or problems you discovered during your testing, even if you haven't addressed them yet.

If this section grows too long, you may want to split it off into a separate file and link to it from here.

Validator Testing

- HTML
  - No errors were returned when passing through the official W3C validator
- CSS
  - No errors were found when passing through the official (Jigsaw) validator

Unfixed Bugs

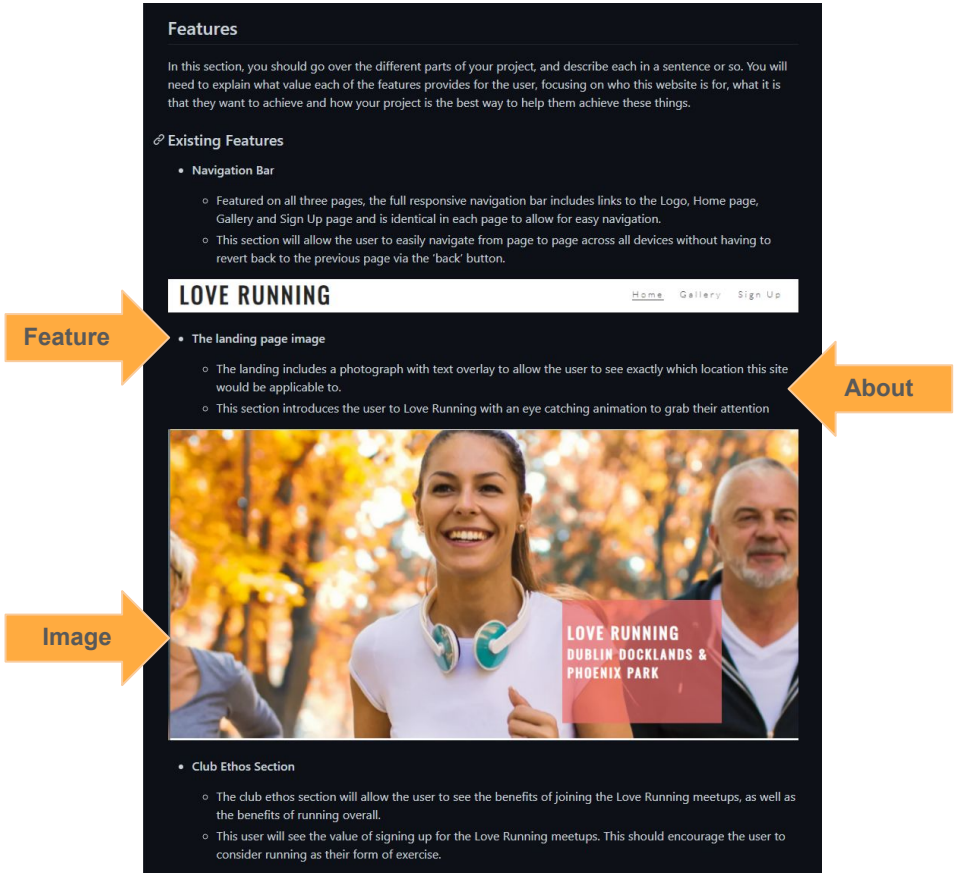
You will need to mention unfixed bugs and why they were not fixed. This section should include shortcomings of the frameworks or technologies used. Although time can be a big variable to consider, paucity of time and difficulty understanding implementation is not a valid reason to leave bugs unfixed.

code institute

List of Features

Structure of features section

- Feature name
- A description about the feature and how it works
- Screenshot image of the feature



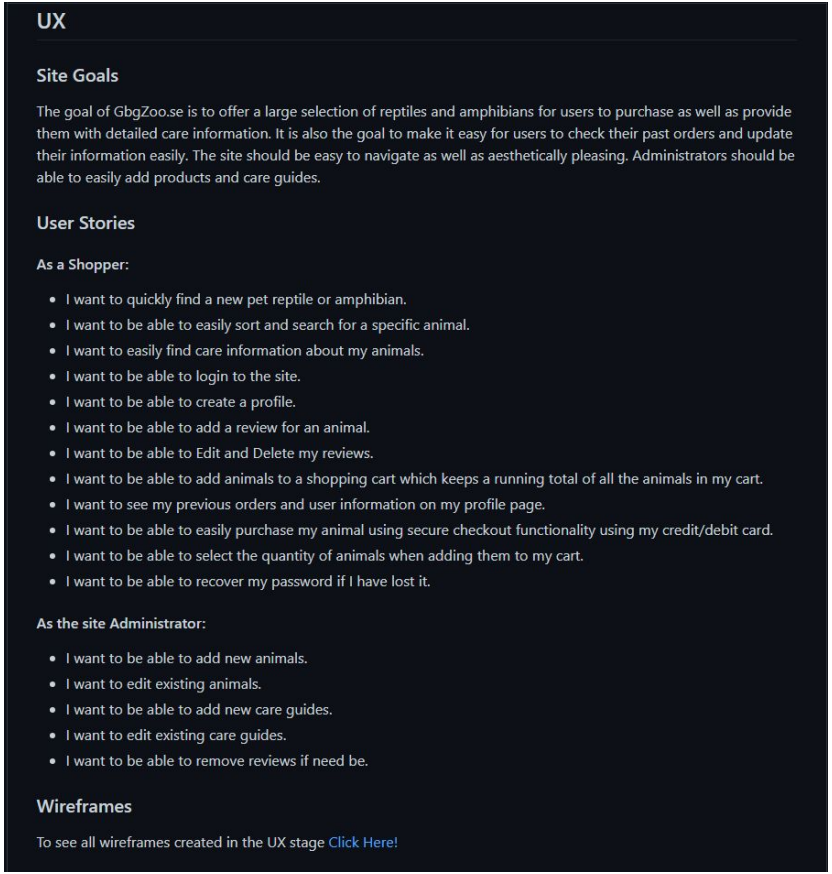
UX/UI Section

This section is for showing your

- site goals
- design thought process
- planning and wireframe design

The sections you should have here

- Site Goals
- Design choices
- User stories
- Wireframes
- Database structure(PP3, PP4, PP5)
- Anything else you want to add that relates to UX/UI



UX

Site Goals

The goal of GbgZoo.se is to offer a large selection of reptiles and amphibians for users to purchase as well as provide them with detailed care information. It is also the goal to make it easy for users to check their past orders and update their information easily. The site should be easy to navigate as well as aesthetically pleasing. Administrators should be able to easily add products and care guides.

User Stories

As a Shopper:

- I want to quickly find a new pet reptile or amphibian.
- I want to be able to easily sort and search for a specific animal.
- I want to easily find care information about my animals.
- I want to be able to login to the site.
- I want to be able to create a profile.
- I want to be able to add a review for an animal.
- I want to be able to Edit and Delete my reviews.
- I want to be able to add animals to a shopping cart which keeps a running total of all the animals in my cart.
- I want to see my previous orders and user information on my profile page.
- I want to be able to easily purchase my animal using secure checkout functionality using my credit/debit card.
- I want to be able to select the quantity of animals when adding them to my cart.
- I want to be able to recover my password if I have lost it.

As the site Administrator:

- I want to be able to add new animals.
- I want to edit existing animals.
- I want to be able to add new care guides.
- I want to edit existing care guides.
- I want to be able to remove reviews if need be.

Wireframes

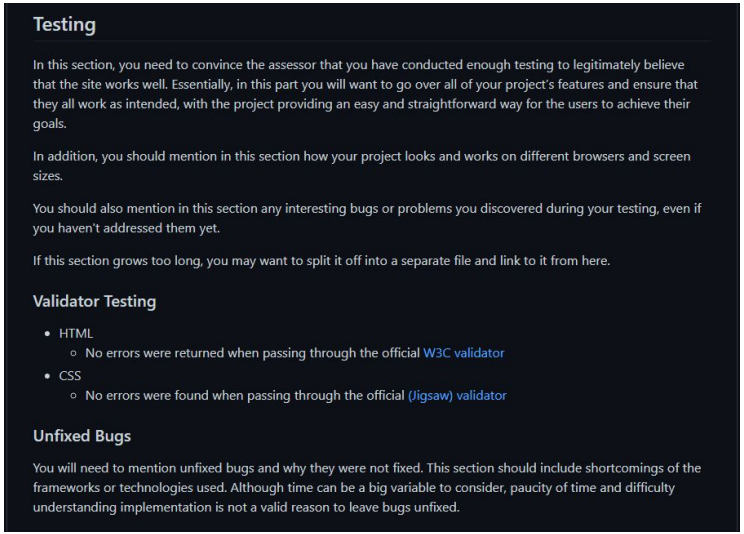
To see all wireframes created in the UX stage Click Here!

code institute

Writing the Testing Section

The testing section should be used to

- show the assessor you have tested your site well
- show that your site is responsive on multiple devices
- test user stories
- show that your code passes validation
- list any unfixed bugs in your code



Testing

In this section, you need to convince the assessor that you have conducted enough testing to legitimately believe that the site works well. Essentially, in this part you will want to go over all of your project's features and ensure that they all work as intended, with the project providing an easy and straightforward way for the users to achieve their goals.

In addition, you should mention in this section how your project looks and works on different browsers and screen sizes.

You should also mention in this section any interesting bugs or problems you discovered during your testing, even if you haven't addressed them yet.

If this section grows too long, you may want to split it off into a separate file and link to it from here.

Validator Testing

- HTML
  - No errors were returned when passing through the official W3C validator
- CSS
  - No errors were found when passing through the official (Jigsaw) validator

Unfixed Bugs

You will need to mention unfixed bugs and why they were not fixed. This section should include shortcomings of the frameworks or technologies used. Although time can be a big variable to consider, paucity of time and difficulty understanding implementation is not a valid reason to leave bugs unfixed.

code institute

Testing Section Requirements

Manual testing of your features

- Test each feature of your site using Feature > Expected Result > Action Taken > Result
- Document every feature test with a screenshot

Feature	Expect	Action	Result
Home Navbar Button	When clicked the home page will open	Clicked Home on the Nav bar	Home page opened when clicked
Form submit button	Form submits when submit button is clicked	Clicked the submit button on the form	The form successfully submitted on click
Social link icons	Social link icons open relevant websites in a new tab when clicked	Clicked the social link icon	The link opened a new tab and to the correct site
Hero image	The hero image will zoom in on page load	Refreshed the home page	The hero images performs the zoom effect correctly

Manual testing of user stories

- Test user story by using the site
- Document the results of each test
- Add screenshots to supplement tests

Expectation:
As a visitor, I want to understand the main purpose of the site.

Result:
As a visitor, I understand that this is the website for a local running club offering meetups and group runs.

Expectation:
As a visitor, I want to be able to navigate easily around the site and sign up for runs.

Result:
As a visitor, I see that I can click the signup page and fill in a form to join.

Expectation:
As a visitor, I want to be able to find information about current events.

Result:
As a visitor, I can see the 5 events planned by the club on the home page.

code institute

Automated testing

Automated Tests are

- Not required to PASS
- Important to learn
- Faster to find and fix bugs

Should I use automated testing?

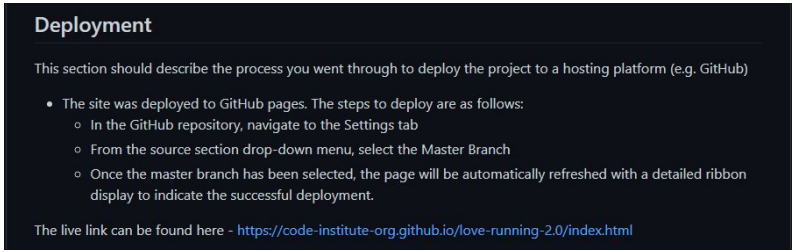
Pros	Cons
Can speed up development	Steep learning curve
Easily test multiple features at once	Time investment to learn testing library
Faster to identify bugs	Not required for this course

code institute

Deployment

Why have the deployment section

- Show the assessor you know how to deploy your project
- Show future collaborators and clients how to use your software
- Have a record for your future self as a reminder of how to deploy on the platform



Deployment

This section should describe the process you went through to deploy the project to a hosting platform (e.g. GitHub)

- The site was deployed to GitHub pages. The steps to deploy are as follows:
  - In the GitHub repository, navigate to the Settings tab
  - From the source section drop-down menu, select the Master Branch
  - Once the master branch has been selected, the page will be automatically refreshed with a detailed ribbon display to indicate the successful deployment.

The live link can be found here - https://code-institute-org.github.io/love-running-2.0/index.html

What to have in the deployment section

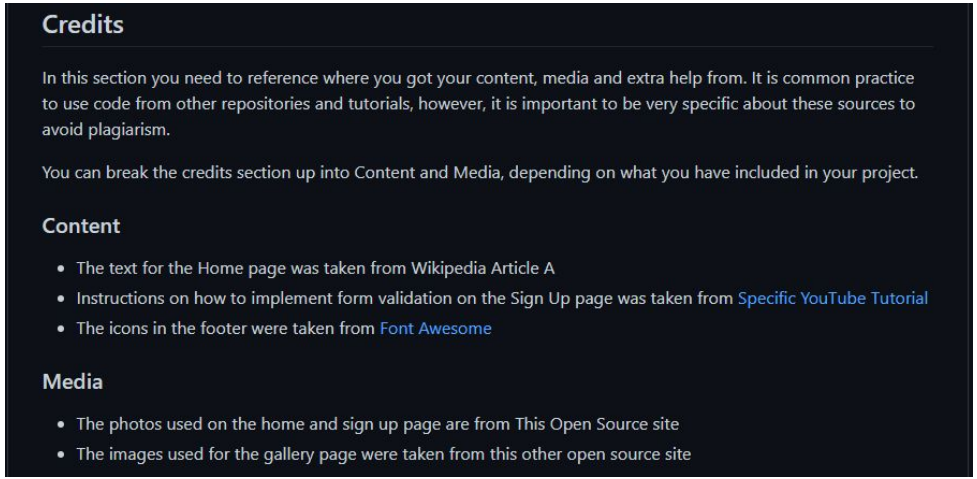
- Detailed list of steps taken to deploy
- Deploying to Github Pages/Heroku
- Creating/connecting a Database
- Deployment requirements(env.py, Procfile, Requirements.txt
- Cloning/forking the Github repo
- Connecting static files from AWS

code institute

Citation of Sources

Crediting Sources

- Always credit ALL sources
- Images
- Code
- Text
- Link to relevant site
- Authors name/pseudonym
- Link to actual content



Credits

In this section you need to reference where you got your content, media and extra help from. It is common practice to use code from other repositories and tutorials, however, it is important to be very specific about these sources to avoid plagiarism.

You can break the credits section up into Content and Media, depending on what you have included in your project.

Content

- The text for the Home page was taken from Wikipedia Article A
- Instructions on how to implement form validation on the Sign Up page was taken from Specific YouTube Tutorial
- The icons in the footer were taken from Font Awesome

Media

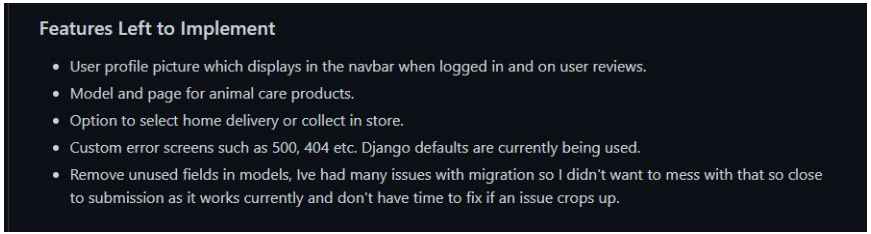
- The photos used on the home and sign up page are from This Open Source site
- The images used for the gallery page were taken from this other open source site

code institute

Future Features

Features you did not add yet

- You ran out of time
- You weren’t sure if it was viable
- Weren’t comfortable implementing



code institute

Summary

As you can see the README is a crucial part of your projects and writing a well-documented README is a skill. By the time you graduate you will be comfortable with markdown and writing good software documentation.

The README should be started with your project and never as an afterthought. This way you can add any bugs that crop up and ideas you may have a long the way.

The README is your direct line of communication to the Assessor within this course and to a potential client/collaborator in your career as a developer. This is a powerful tool for communicating your ideas and process and should be treated with the utmost importance.