

CodeClan Pre-Course Work Checklist

Step 1: Online accounts

* Sign up for the necessary online accounts:

- Slack (we'll send you a link) ☐
- Google ☐
- Github ☐
- StackOverflow ☐
- Trello ☐

* Send us the usernames for all of the above.

- Usernames sent to CodeClan ☐

Step 2: Computer and internet familiarity

* Be familiar with:

- How to use a Mac ☐
- How the internet works ☐

* Learn some useful keyboard shortcuts:

- Copy, Cut and Paste ☐
- Undo and Redo ☐
- Save ☐
- Move to trash ☐
- Open spotlight tool ☐

* Be able to:

- Search using the Spotlight tool ☐
- Navigate the keyboard comfortably to find 'special' characters ☐

* Be able to type fairly fast and accurately:

- Measure your typing speed each week and send us a screenshot of your scores.

	Normal	Ruby Code
Week 1	<input type="checkbox"/>	<input type="checkbox"/>
Week 2	<input type="checkbox"/>	<input type="checkbox"/>
Week 3	<input type="checkbox"/>	<input type="checkbox"/>

- As a goal, try to get yourself above 40WPM on 'normal' typing and above 20WPM on 'code' typing.

	20+ wpm	30+ wpm	40+ wpm	50+ wpm
Normal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 3: Ruby

* Understand and be able to use the following:

- Run Ruby in IRB ☐
- Variables - Strings and Numbers ☐

- Operators ☐
- Ruby Control Structures ☐
- Branching ☐
- Arrays ☐
- Hashes ☐
- Loops - While, Until ☐
- Iteration - For, Times, Each ☐
- Objects ☐
- Classes and Class methods ☐
- Booleans ☐

- Modules - comparable, math and enumerables, include, extend (Optional) ☐
- Precedence (Optional) ☐
- Blocks and block arguments (Optional) ☐

Step 4: Terminal and Command Line

- * Know:
 - What is UNIX? ☐
 - How to open a Terminal window ☐
- * Be able to use the following Terminal commands:
 - Change the directory (cd) ☐
 - Show (or 'print') the working directory (pwd) ☐
 - List files (ls, ls-l for a long list, ls-a to list all files including hidden files) ☐
 - Clear the screen (clear) ☐
 - Create new files (touch) ☐
 - Make a new directory (mkdir) ☐
 - Move or rename files (mv) ☐
 - Remove files or folders (rm) ☐
 - Copy files (cp) ☐
 - Open the manual to get help on a command (man) ☐

Step 5: HTML & CSS

- * Understand how to:
 - Write basic HTML ☐
- * Using CSS to style web pages, understand how to:
 - Add styles for basic elements ☐
 - How to add colours ☐
 - How to add fonts ☐
 - How to add images ☐
- * Understand how to use HTML elements to:
 - Add text ☐
 - Add lists ☐
 - Add links ☐
 - Add and use forms ☐

* Understand how to:

- Create content containers ☐
- Use ID selectors ☐
- Use class selectors ☐
- Use type selectors ☐
- Use descendant selectors ☐

* Be able to use:

- Responsive design ☐
- Testing ☐
- Box model and layout methods ☐

* Exercise: Create a simple web site about yourself with:

- One or two HTML pages ☐
- Styled a little with CSS ☐
- Zip it up and send it to us ☐

This is a great way of practicing using HTML and CSS which **will not** be covered in depth on the course.

Step 6: Git & Github

* Understand the basics of source code version control and why it is used

* Using Git know how to:

- Initialise a repository ☐
- Add files to a git repository ☐
- Commit changes to files ☐
- Check the status of files in git ☐
- Use git config ☐