CodeClan Pre-Course Work Checklist

Step 1: Online accounts

* Sign up for the necessary online accounts:
    - Slack (we'll send you a link) ☐
    - Codecademy ☐
    - 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	☐	☐
Week 2	☐	☐
Week 3	☐	☐

    - 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	☐	☐	☐	☐
Code	☐	☐	☐	☐

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 (rn) ☐
- 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 aware of:
  - Responsive design ☐
  - Box model and layout methods ☐

* Extension 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 ☐