

# Branch & Deployment Workflow Setup Guide

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## Overview

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This guide walks you through setting up and using your Git branch workflow, deployment script, and iOS simulator workflow for development and production deployment.

## 1. Installation & Setup

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1. Ensure Git is installed.
2. Clone the repository:  

```
git clone https://github.com/yourusername/yourproject.git
```
3. Enter the project:  

```
cd yourproject
```
4. Install dependencies:  

```
npm install
```
5. Make sure the deploy script is executable:  

```
chmod +x choose-script.sh
```

## 2. Branch Workflow

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- Start from the 'main' branch (staging).
- Before changes, create a feature branch:  

```
git checkout -b feature-name
```
- After finishing your feature:  

```
git checkout main
```

  

```
git merge feature-name
```

## 3. Deploying to Production

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- Confirm all changes are merged into 'main'.
- Run the deployment script:  

```
./choose-script.sh
```
- This updates the 'gh-pages' branch (used for GitHub Pages hosting).

## 4. Running the iOS Simulator

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1. Ensure Xcode is installed.

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2. Sync the iOS project:

```
npx cap sync ios
```

3. Open Xcode:

```
npx cap open ios
```

4. In Xcode, select a device (e.g., iPhone 14), then press the play button.

5. Or run from terminal:

```
npx cap run ios -l --external
```

## 5. Final Tips & Shortcuts

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- Only create a branch if one hasn't been recently suggested.
- Wait until everything works before pushing and deploying.
- To open local dev + iOS simulator quickly, use:

```
npm start && npx cap open ios
```
- Use CMD + Shift + B to quickly trigger build tasks in VS Code.
- When ready, get a witty commit message to save your changes!

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## 6. VS Code Cmd + Shift + B Shortcut

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To bind the branch script to Cmd + Shift + B in VS Code:

1. Open the Command Palette (Cmd + Shift + P).
2. Select 'Tasks: Configure Task' -> 'Create tasks.json from template' -> 'Others'.

Add this to ``.vscode/tasks.json``:

```
{
  "version": "2.0.0",
  "tasks": [
    {
      "label": "Branch Script",
      "type": "shell",
      "command": "./choose-script.sh",
      "group": {
        "kind": "build",
        "isDefault": true
      },
      "problemMatcher": []
    }
  ]
}
```

Pressing Cmd + Shift + B now quickly runs your branch deployment script.