



# Plan of approach

This document explains how to integrate work from all teams in Unity using GitHub. It shows the steps for programming, art, sound, and gameplay integration.

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## Recommended Tools

- **GitHub Desktop (Recommended)**  
User-friendly interface, easier for beginners.
  - **Command Line (Optional)**  
Only recommended for experienced Git users.
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## General Integration Steps

### 1. Clone the repository

Only needed once when starting the project.

### 2. Always pull the latest changes

Pull the latest version of the `dev` branch before working.

### 3. Create your own branch

Each feature or task must have its own branch.

### 4. After finishing your work:

- Test in Unity
- Commit your changes
- Push your branch to GitHub

### 5. Create a Pull Request (PR)

PR should merge your branch into `dev`.

## **6. Code review**

Another team member checks and approves the PR before merging.

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# **Programming Integration**

## **1. Switch to the programmer's branch**

Their feature should be in a separate branch.

## **2. Open Unity and check for conflicts**

- Unity may reimport assets or scripts
- Fix compile errors if needed

## **3. Continue their work**

- Add missing code or functionality
- Clean up scripts
- Follow tasks listed in GitHub
- **Note:** Programmers handle combining animations with assets under the supervision of the Art Integrator.

## **4. Write clear commit messages**

- Explain changes (don't just write "fix")

## **5. Create a Pull Request**

- Tag someone for review if possible
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# **Art Integration**

## **1. Switch to the art branch**

Their assets, textures, models, or animations will be located there.

## **2. Check the art files**

- Ensure folder structure is correct
- Confirm file names follow the project's naming conventions

### **3. Continue their work**

- Prepare assets for programming or gameplay use
- Update art documentation:
  - File locations
  - Prefab/animation names
  - How/where the asset should be used
- **Note:** Art Integrator supervises asset usage in the scene but usually does not assemble the full scene themselves. Full scene assembly is a collaborative task with programming and gameplay integrators.

### **4. Write clear commit messages**

- Example: "Added player run animation files + updated art documentation"

### **5. Create a Pull Request**

- Tag someone for review if possible
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## **Sound Integration**

### **1. Switch to the sound branch**

Their audio work should be located there.

### **2. Open Unity and import audio files**

- Check compression settings and file format

### **3. Continue their work**

- Assign audio to objects, triggers, animations, or events
- Test if sounds play correctly during gameplay
- **Note:** If the Sound Integrator lacks technical knowledge, a programmer can do this under supervision.

### **4. Write clear commit messages**

- Example: "Added door open sound to door prefab"

### **5. Create a Pull Request**

- Tag someone for review if possible
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## Gameplay Integration

### 1. Switch to the gameplay branch

Their gameplay work should be in a separate branch.

### 2. Open the gameplay document

- Contains all elements to integrate (art + programming)
- Updating and maintaining this document is part of the integrator's job

### 3. Continue their work

- Merge elements created by programmers (scripts, mechanics, events) with elements created by artists (animations, UI, assets) inside the document
- Ensure the document clearly describes how everything fits together
- **Note:** Full scene integration is a **team effort** involving programming, art, and gameplay integrators.

### 4. Write clear commit messages

- Example: "Updated gameplay document with new enemy attack sequence"

### 5. Create a Pull Request

- Tag someone for review if possible