

# Gundo



## Production Plan

Version 5.0

Last Edited by Mitchell Sayer

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# Tasks, Responsibilities and Assets

## Team Members & Responsibilities

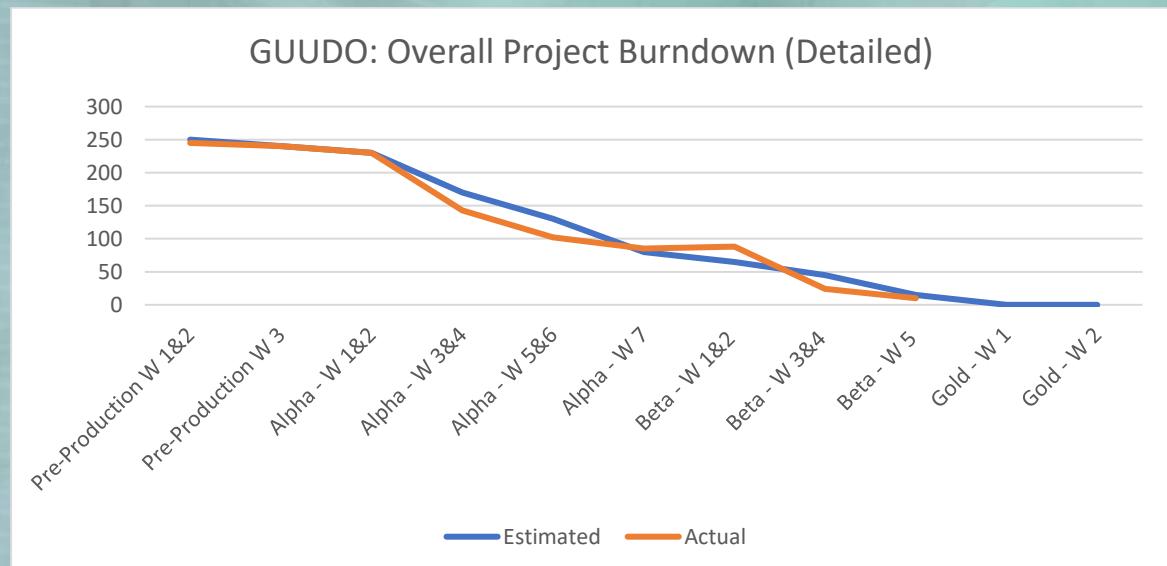
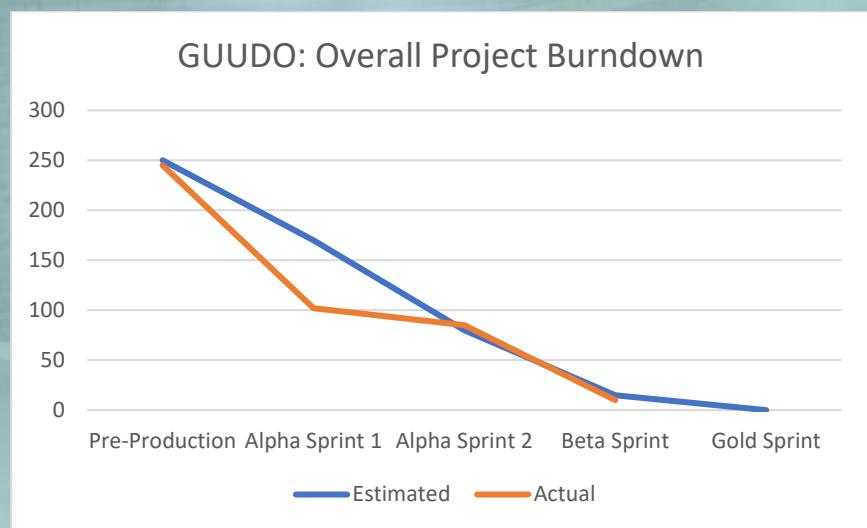
Name	Role	Responsibility
Mitchell Sayer	Game Designer	<ul style="list-style-type: none"><li>- Production Coordinator</li><li>- Narrative Design</li><li>- UX Feel/ Experience Designer</li><li>- Sound Design</li><li>- Level Design</li><li>- Character balancing</li></ul>
Richard Delamore	Game Programmer	<ul style="list-style-type: none"><li>- Mechanic Building</li><li>- Source Control monitoring</li><li>- Systems Creator</li></ul>
Tiana Knobloch	Character & UI Artist	<ul style="list-style-type: none"><li>- Character Modelling</li><li>- Character Animation</li><li>- UI Art Design</li><li>- Cinematic Animator</li><li>- Concept Art</li><li>- Texturing Assets</li></ul>
Daniel Iaria	Tech Artist	<ul style="list-style-type: none"><li>- Particle Effects</li><li>- 3D Modelling</li><li>- Procedural Texturing</li><li>- Texturing Assets</li></ul>
Joshua Freeman	Environmental & Foliage Artist	<ul style="list-style-type: none"><li>- Environmental Art/ Set Dressing</li><li>- Foliage Modelling and Placement</li><li>- Texturing Assets</li></ul>

## Project Goals

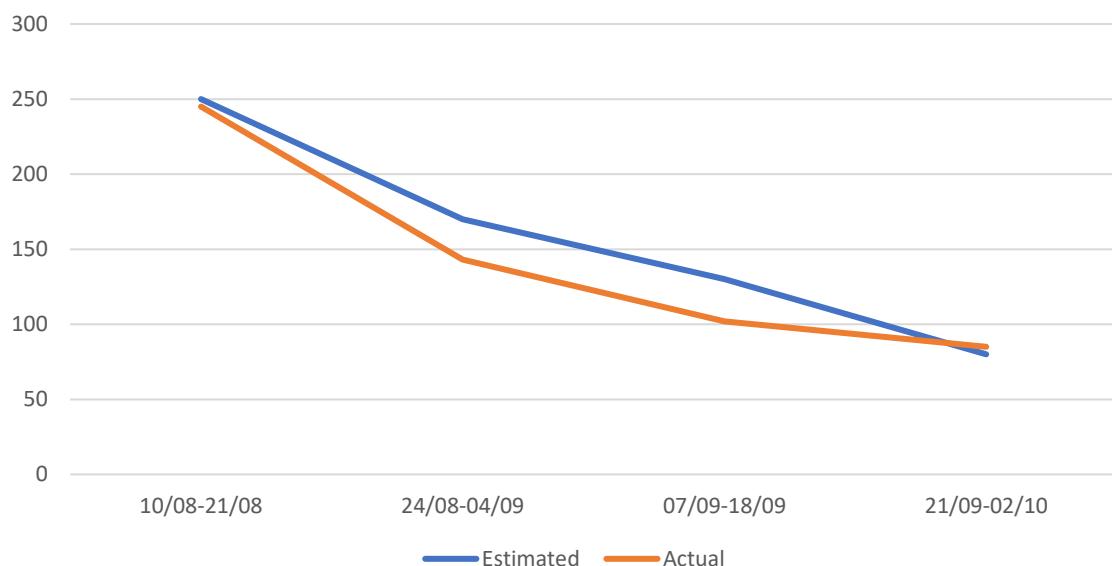
1. To create a memorable experience for the target audience
2. Providing the player to create their own innovative comedic moment
3. Develop an enjoyable game that has smooth replayability.
4. Design and produce a product from all team members strengths.
5. Publish the game on Epic Games Marketplace
6. Port to different platforms i.e.: IOS, Android, Nintendo Switch.

## Project Burndown

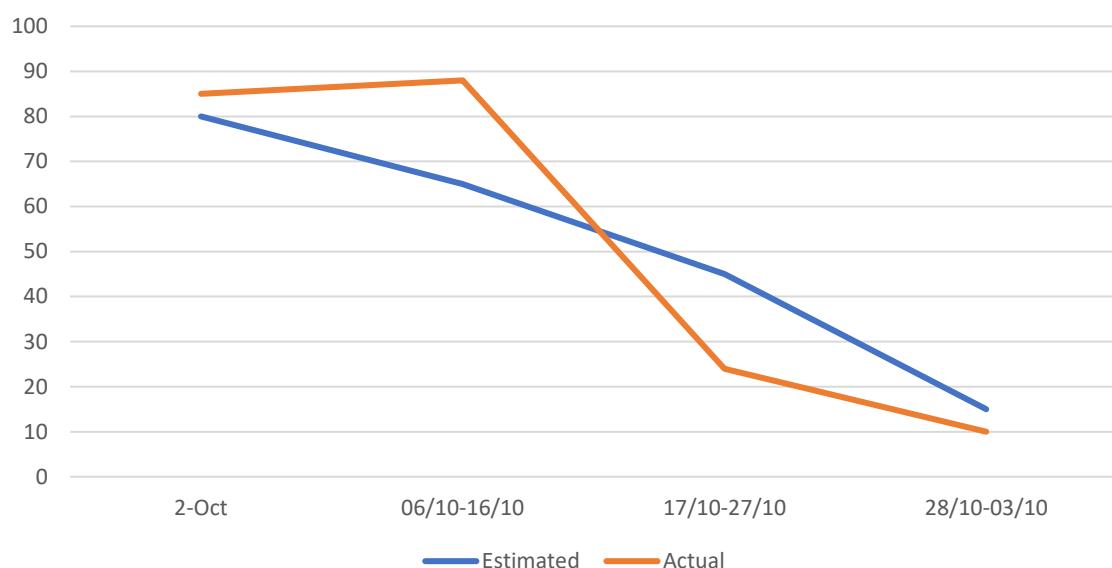
The following graph visually underlines the estimated process of the project's execution and how well the team will achieve its goals



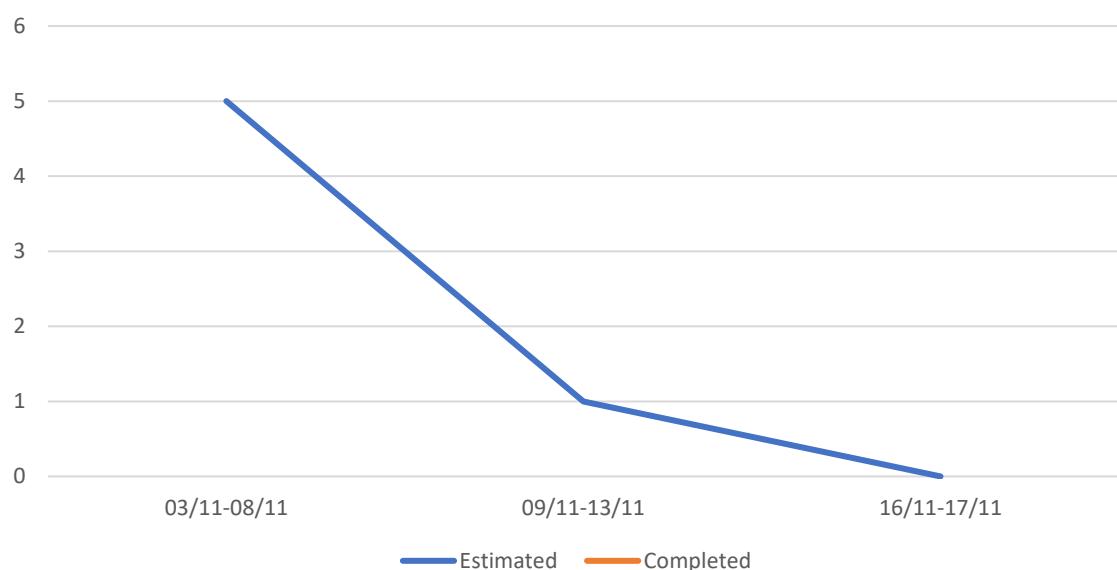
### GUUDO: ALPHA STAGE - Burndown Chart



### GUUDO: BETA STAGE - Burndown Chart



## GUUDO: GOLD Burndown Chart



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## Project Timeline/ Schedule

Milestone	Sprint & Date
Pre-Production	<p><b>Week 1PP (20<sup>th</sup> - 22<sup>nd</sup> July)</b></p> <ul style="list-style-type: none"> <li>- Concepts Made</li> </ul> <p><b>Week 2PP (27<sup>th</sup> - 28<sup>th</sup> July)</b></p> <ul style="list-style-type: none"> <li>- Grey boxing Prototype building</li> </ul> <p><b>Week 3PP (3<sup>rd</sup> - 5<sup>th</sup> Aug)</b></p> <ul style="list-style-type: none"> <li>- Prototype complete + Pitch</li> </ul>
Alpha	<p><b>Week 1A (10<sup>th</sup> - 11<sup>th</sup> Aug)</b></p> <ul style="list-style-type: none"> <li>- Level 1 Grey boxed</li> <li>- Character Modelling Started</li> <li>- Environment Level 1 Started Modelling</li> </ul> <p><b>Week 2A (17<sup>th</sup> - 19<sup>th</sup> Aug)</b></p> <ul style="list-style-type: none"> <li>- Character Rigging Started</li> <li>- Level 2 Grey boxed</li> <li>- Environment Level 2 Modelling</li> </ul> <p><b>Week 3A (24<sup>th</sup> - 25<sup>th</sup> Aug)</b></p> <ul style="list-style-type: none"> <li>- High Poly Refinement Process Started</li> <li>- Character Animation Started</li> <li>- Character Rigged and Modelled</li> <li>- Set dressing Started</li> </ul> <p><b>Week 4A (31<sup>st</sup> Aug- 2<sup>nd</sup> Sept)</b></p> <ul style="list-style-type: none"> <li>- Level 3 Grey boxed</li> <li>- Environment Level 3 modelling</li> </ul> <p><b>Week 5A (7<sup>th</sup> - 8<sup>th</sup> Sept)</b></p> <ul style="list-style-type: none"> <li>- UI implemented</li> </ul> <p><b>Week 6A (14<sup>th</sup> - 16<sup>th</sup> Sept)</b></p> <ul style="list-style-type: none"> <li>- Foliage addition 1<sup>st</sup> pass</li> <li>- Character Animated</li> </ul> <p><b>Week 7A (21<sup>st</sup> - 22<sup>nd</sup> Sept)</b></p> <ul style="list-style-type: none"> <li>- All levels meet 2nd pass standards</li> <li>- All Mechanics built</li> <li>- QA Testing</li> </ul>
Beta	<p><b>Week 1B (6<sup>th</sup> Oct - 7<sup>th</sup> Oct)</b></p> <ul style="list-style-type: none"> <li>- Debugging Process Started</li> <li>- Audio Refined</li> <li>- QA Testing</li> </ul> <p><b>Week 2B (5<sup>th</sup> - 6<sup>th</sup> Oct)</b></p> <ul style="list-style-type: none"> <li>- Prop Model Texturing Started</li> </ul> <p><b>Week 3B (12<sup>th</sup> - 14<sup>th</sup> Oct)</b></p> <ul style="list-style-type: none"> <li>- Set dressing finalised</li> <li>- QA Testing</li> </ul> <p><b>Week 4B (19<sup>th</sup> - 20<sup>th</sup> Oct)</b></p> <ul style="list-style-type: none"> <li>- Light Baking</li> </ul> <p><b>Week 5B (26<sup>th</sup> - 28<sup>th</sup> Oct)</b></p> <ul style="list-style-type: none"> <li>- Assets Textured</li> <li>- All bugs fixed</li> <li>- Character Animated</li> </ul>
Gold	<p><b>Week 1G (2<sup>nd</sup> - 3<sup>rd</sup> Nov)</b></p> <ul style="list-style-type: none"> <li>- Polish Everything</li> </ul> <p><b>Week 2G (9<sup>th</sup> - 11<sup>th</sup> Nov)</b></p> <ul style="list-style-type: none"> <li>- Release Date</li> </ul>

# Milestones

## Pre-Production

- Grey-boxing
- Prototype Mechanics built
- Prototype built

## Alpha

- All game levels blocked out, grey boxed, and first passed
- Audio Implemented
- Character Model
- Character Rig
- Character Animated
- Character Textured
- High Poly Refinement Process
- All Mechanics Built

## Beta

- Cutscenes Designed
- Set dressing
- Light Baking
- Texturing Overall
- Bug fixing

## Gold

- Polish Levels
- Polish Assets
- Polish Mechanics
- Create Teaser Clip

# Lessons Learnt Log

Feedback:	How to Improve on it:
Keep your concepts simple and effective.	Keeping ideas simple and easy to execute
<b>Alexandra Mannel:</b> <ul style="list-style-type: none"> <li>- Love the idea of the ghost game it sounds fun with the aspect of going around scaring people as ghosts. Would it be better if you were looking through the camera as you move?</li> <li>- 3<sup>rd</sup> game not really a fan</li> </ul>	Utilise on the strengths of all ideas and work on the second idea. Keep concepts simple and work to teams strengths.
<b>Neil Boyd:</b> <ul style="list-style-type: none"> <li>- The Hand game I see as being a fun game to run around with the ragdoll movement of the hand physics</li> <li>- You need to make sure there is a clear line of sequencing for the body building part.</li> <li>- The Ghosts game I'm confused about the jump scares for a kid's game, it doesn't really sit well with that target audience, if it were a mature audience it could work but not for a kid's game.</li> <li>- That would need to be focused and designed to work around that limitation.</li> </ul>	
<b>Paco Casares:</b> <ul style="list-style-type: none"> <li>- Ghost game with the multiplayer is a good unique selling point however the setup of multiplayer can take time depending on experience making it.</li> <li>- Taking into consideration games like Project Zero could be good as reference.</li> </ul>	
<b>Jesse Donlevy:</b> <ul style="list-style-type: none"> <li>- Hand Concept is doable as there's room to add more art assets and levels and the replayability is high</li> <li>- The Ghost game the same as well its safe, and different levels add complexity/ variety to gameplay.</li> </ul>	

<p><b>Myles Blasonato:</b></p> <ul style="list-style-type: none"> <li>- Love the hand idea as well it kind of reminds me of Katamari with the whole evolving size aspect, with the items impacting the player.</li> <li>- The arena fighter is a lot to consider technically and from a designer perspective it would only be a slice of gameplay</li> <li>- With the ghost idea the theme needs to be fixed as it doesn't make sense with the pillars in place.</li> </ul>	
<p><b>Tiana Knobloch:</b></p> <ul style="list-style-type: none"> <li>- Character Model</li> <li>- Janky movement due to mesh collisions</li> </ul> <p><b>Daniel Iaria:</b></p> <ul style="list-style-type: none"> <li>- Character Movement won't be possible because of skeletal mesh errors</li> </ul> <p><b>Character Mesh &amp; Animation</b></p>	<p>Find an alternative to showcase the character creation without the need of controlling it.</p> <p>Making the player feel good about what they made regardless of the result.</p>
<ul style="list-style-type: none"> <li>- Competitive Market Research</li> <li>- Emotion in Pillars</li> </ul>	<p>Perform further research into competitors and seek why the weakness are what they are and improve of them.</p> <p>Draw a story from the pillars of the game and make sure they concretize the concepts goal.</p>
<ul style="list-style-type: none"> <li>- Replayability, Character movement, Player Goals</li> <li>- Game Vision</li> </ul>	<p>Look for ways to show variety to the player whilst not having to change the game dramatically.</p>
<ul style="list-style-type: none"> <li>- Don't detour from original concept: You're not making a fashion flash game</li> </ul>	<p>Taking a step back to overlook what has been discussed is a great way to get back on track.</p>
<ul style="list-style-type: none"> <li>- The original body building is innovative, stay with that. It'll lead to good results.</li> </ul>	
<ul style="list-style-type: none"> <li>- Make sure version is before not after in UE4 to avoid conflicts in opening the project file.</li> </ul>	<p>Take more care in using game engines and prepare before hand to start projects with less launch issues.</p>
<ul style="list-style-type: none"> <li>- Font text colour needs to be changed</li> <li>- Too much text on the alpha, beta, gold slide, simplify it.</li> <li>- Make sure the game titles are fixed</li> </ul>	<p>People have short attention spans, keeping info short and simple is key.</p>
<ul style="list-style-type: none"> <li>- Voice pitch needs to be practiced on</li> <li>- Change the name of the persona</li> <li>- Practice on timing</li> </ul>	<p>Be louder and prepare more before presenting in future.</p>

<ul style="list-style-type: none"> <li>- It can be done there is a setting in blueprints that allows you to move without mesh collisions.</li> </ul>	Apply newly found information to solve problems.
<ul style="list-style-type: none"> <li>- Should think about the levels in which your size can dictate where you can go if that unlocks more items or can reach. Can unlock new areas.</li> </ul>	Relook at level designs and play with the idea of mechanics.
<ul style="list-style-type: none"> <li>- Guudo's UFO concept needs brighter colours closer to what his head looks like, whites and light greys</li> </ul>	Brighten up the darker areas of the UFO such as the wings and the cockpit, make them brighter whites and off whites
<ul style="list-style-type: none"> <li>- Everyone speaks well</li> <li>- Don't move hands when presenting its distracting</li> <li>- Don't need all art information in the gold section of milestones, nothing should be touched.</li> <li>- Don't need to include preferred language of coding</li> <li>- Narrative setting is required if it's an important element of discussion.</li> <li>- Slow down</li> <li>-</li> <li>- Explain the item collection further</li> <li>- Gold should focus on marketing and packaging the product.</li> </ul>	Follow given advice
<ul style="list-style-type: none"> <li>- Art shows a lot of promise</li> <li>- Would be good to have a prototype of shaders, try swapping out the noise factor in the existing shader.</li> <li>- Lighting scale is good idea in art</li> <li>- Proof of foliage in the environment would make a stronger presentation</li> <li>- Including a finished asset would assist the strength of the presentation</li> <li>- Physics was unclear how it would be used.</li> <li>- A clearer and refined schedule would be nice to use as reference to allow a better scope prediction.</li> <li>- No foliage concepts or block outs to be seen. Mentioned in PowerPoint and would be nice to see concepts of them</li> <li>- No proof of art, i.e. Art asset completed in chosen style in engine to showcase game look.</li> </ul>	<p>Foliage proof on concept, modelled and added to UE4 scene to test art style</p> <p>Proof of art Completed And added to engine scene</p> <p>Completed additional concepts of all asset types to be completed</p> <p>Screenshot paint overs added and designed</p> <p>Add in missing information in future, and discuss clearly about how the game should look, play, and its goals alongside its execution and ending conditions.</p>

- Overall minimum number of concept pieces to showcase environment look. Needed more to show what game looked like before the actual prototype.
- Screenshots of the game environment would have been nice to see the idea of level layout. (paint over ideally)
- Litter throughout presentation screenshots of gameplay mechanics and loops to give a better idea.
- No dates on deliverables
- No age demographic in your target market, this is an issue.
- Theme is good
- Story is nice
- Design element was weak:
  - o How do I win?
  - o How do I gain points?
  - o How do I lose?
  - o How do I use my abilities?
  - o What reason do I have to use my abilities?
- Level Design concepts would've been nice to see
- No explanation of goals.

## **ALPHA LESSONS LEARNED**

Tiana Knobloch:

- UI was simple to learn and navigate

Richard Delamore:

- I learned how to make a Character Customization and Inventory System. I also learned how to debug UE4 better.

Joshua Freeman:

- I learned how to use Substance Designer, more efficient foliage pipeline, optimisation increased.

Daniel Iaria:

- I learned how to tackle my time management and are still learning to correct my pivot points in UE4.

Mitchell Sayer:

- I learned more about Audacity and sound design, additionally using UE4 for the first time.

<b>BETA LESSONS LEARNT</b>	
Tiana Knobloch	
Richard Delamore	
Daniel Iaria	
Joshua Freeman	
Mitchell Sayer: - I learnt more about level design and the necessities behind modular assets in a game scene. Being able to make an environment look alive with similar assets is not only cost efficient but saves time for both prototyping and development stages of a project	

# Risk Assessment Process

## SWOT

SWOT			
Internal	Strengths <ul style="list-style-type: none"><li>-History in working together</li><li>-Complimentary skills</li><li>-Great Communication Skills</li><li>-Good at problem solving</li><li>-Specialised in Unreal Engine Development</li><li>-Great time management skills</li></ul>	Weaknesses <ul style="list-style-type: none"><li>- Animation ability not as refined</li><li>- History with unforeseen circumstances</li><li>- Source Control Management</li><li>- Sleep management</li><li>- Version Control</li></ul>	
External	Opportunities <ul style="list-style-type: none"><li>- Can be headhunted from professionals in industry</li><li>- Access to Udemy Courses for new ideas/ techniques to implement</li><li>- Many independent studios in Sydney</li><li>- Can apply skills to production/ management positions</li></ul>	Threats <ul style="list-style-type: none"><li>- COVID19 affecting work flow</li><li>- Source Control not working outside of common work environment</li><li>- External work commitments breaking production time</li><li>- Lack of free time outside of working environment to work on the project</li></ul>	

## Risk Likelihood

[Low Risk: 1 – High Risk: 5]

Risk	Likelihood	Cause of Risk	Response to Risk
Over Scoping	3	High Ambitions	Maintain a simple idea. Create an enjoyable, small project. Wishlist tasks can be added later if need be.
Resistance to Change	2	Too attached to an idea or concept	Reach an alternative that simulates both strengths and reasonability for execution.
Stress & Anxiety	3	Strict Deadlines/ Difficulty executing ideas and concepts	Maintain appropriate weekly workload and stick to schedule timings. Avoiding unnecessary tasks that detour from original task schedule.
External commitments	4	External commitments to the workplace	Proactive planning to avoid missing workdays/ Preparing and updating plans beforehand to avoid having no work to continue with.
Corrupt files	3	Not saving/ backing up save data often, incorrect version control, damaged hard drives, source control errors	Frequent checking on Source Control and maintain version control on Engine to make sure projects do not become corrupted
Not meeting deadlines	1	Procrastination, distractive environments, lack of confidence	Introduce new activities/ tasks each day that could make working enjoyable. Avoid sites that could lead to distraction, set a timer for how quickly you can complete a task swiftly and efficiently.

# Change Log

## Version 1.0

Base foundation of documentation including headings and sections for the following:

### Tasks, Responsibilities and Roles

- Team Members and Responsibilities
- Project Goals
- Project Burndown
- Project Timeline/Schedule

### Milestones

- Pre-Production
- Alpha
- Beta
- Gold

### Lessons Learnt Log

### Risk Assessment Process

- SWOT
- Risk Likelihood

## Version 2.0

All information added to their respective sections. Information provided should be read carefully to fully understand intentions and direction of the project.

## Version 3.1

*Added:*

- *Project Burndown Charts; Project Overview, Alpha, Beta, Gold*

## Version 3.2

*Added:*

- *Documentation Watermark (Background)*

*Modified:*

- *Timeline/ Schedule Alpha and Beta tasks changed*
  - o *BETA -> ALPHA*
    - *Character animation and texture started, and completed*
  - o *ALPHA -> BETA*
    - *Textures started*

## **Version 3.3**

### **Modified:**

Lessons Learnt Log

Burndown Velocity Graph

## **Version 4.0**

### **Added:**

Overall Burndown Chart (Detailed)

### **Modified:**

Overall Burndown Chart + Beta Burndown Chart

- Modified Total Actual amount
- Modified W2 progress

## **Version 5.0**

### **Added:**

Beta Lessons Learnt Log