**Personal Project Brief Proposal Thomas Simmons S176601**

Summary:

I have chosen to do a 3D modelling based final project because I am very interested in getting into the modelling games industry for mobile based platforms. I have also enjoyed the assignments set to me whist at college and university which where based around 3D modelling because they were very detailed and requirements where vast meaning that I could get a job around the skills I would gain by doing 3D modelling.

I have chosen assets for the mobile market because I play a lot of games on my current smartphone/tablet devices and want to be a part of the industry of mobile app games. What also interests me about 3D modelling is the attention to detail required to make very good assets towards a game and how important these assets must hit the briefs requirements. Also for most 3D models to be complete you have to work in teams and I enjoy working in teams.

I will use my 3D modelling skills I have acquired over the last four years in college and university to create assets with the targeted theme of historical weaponry. I have chosen this theme because I have played a lot of historical games, usually strategy based on my phone or on the PC. Also I have always been interested in history and currently watch historical television programmes/ documentaries and sometimes read about historical events.

Brief outline of work:

What I want to explore with this project is the difficulty level of making assets for an historical weaponry based theme and how long this may take when it gets to creating one for a client at a real 3D modelling job. I will also explore how much time it may take to make these assets which will help me improve my time management skills and the ability to prioritise my possible tasks I have to undertake when making assets for a game.

The research I will undertake will be to look different offensive and defensive and see which ones will not be too difficult to create but not easy enough so I can show my skills in modelling. I will also take reference photos from my own photo taking equipment in museums like the British museum and the Natural History museum to create annotated mood boards with references. I will also look online for different kinds of 3D modelling type jobs and what they want to see in a possible employees portfolios in order to be a candidate for the job on offer.

Job availability and requirements:

Current 3D Modelling based jobs require the job applicant to have the following key skills:

* An expert understanding on how to 3D Model using either 3DS Max or Maya
* An expert understanding on how to use Photoshop for the model/asset textures
* An expert understanding on how to make an game asset/model game legal (no N-gons)
* An great understanding on how to use lighting tools on 3DS Max or Maya
* A great understanding on how to use rendering tools.

Some companies require the applicant to work in teams to work on one games assets and they require the following key skills:

* The ability to work in an team
* Good communication skills online and in person
* Being able to take criticism by clients and/or project manager
* Being able to hit deadlines without fail.

Brief proposal:

I will create, texture and render ten suitable assets for mobile devices like iOS and Android.

I will create annotated mood boards showing historical defensive and offensive weapons in the Roman times. I have chosen this theme because I have always been interested in history especially the romans and want to modernise their weaponry by using modern day software.

I will use studio 3DS Max scene to then create ten assets with historical roman time’s weaponry.

I will design five assets with the following constraints:

* An Minimum poly budget of 500 polys
* An Maximum poly budget of 600 polys
* 512x512 textures texture maps
* A minimum of 5 textures
* A maximum of 10 textures
* All textures to either have colour, opacity or a self-illumination maps attached.

The other five assets will have the following constraints:

* An Minimum poly budget of 1000 polys
* An Maximum poly budget of 1200 polys
* 1024x1024 textures texture maps
* A minimum of 5 textures
* A maximum of 10 textures
* All textures to either have colour, opacity or a self-illumination maps attached.

I have chosen these poly count budgets because I want to be able to show I can work efficiently and with constraints towards my models and still look great. I also want to do this so I can show that I can create less detailed as well as detailed assets for any required game I will be making models for or if the player requires to decrease the graphics for the game so it can still run smoothly.

I will also be showing my ability to create renders for each prop/ asset I create. I will show that I understand how to make a render look good by lighting up the scene with the asset and to also show the colour, opacity and self-illumination maps working.

Estimated Pipeline

Week 1- Complete/ acquire all required reference images and textures for assets

Week 2- Complete annotated mood boards and references towards mood boards and research

Week 3&4- Decide on what assets to create, how my assets will be unique and why.

Week 5- xmas break- complete 500-600 poly assets and are game legal.

Xmas break- start of second semester- further edit complete models to make them as good as possible and create colour, opacity and self-illumination maps.

Week 1 second semester to week 8- create and complete next five models

Week 8-10- Add and complete the textures towards all models

Week 10-12- complete lighting and renders towards assets and present in a portfolio type manner.

Annotated References:

<https://www.gamasutra.com/blogs/MateuszPiaskiewicz/20140817/223513/Composition_in_Level_Design.php>

<https://www.cgtrader.com/3d-models/plant/flower/ivy-scene>