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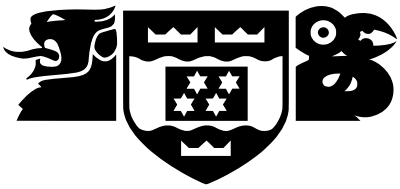

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Interactive 3D Visualisation of Exoplanets

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Bachelor of Software Engineering with Honors.

Abstract

A short description of the project goes here.

Contents

Figures

Chapter 1

Introduction

This project seeks to design, implement, and evaluate an interactive 3D visualisation software system for displaying the content in the Kepler Exoplanets dataset [28].

The deliverable is

The resulting system will

1.1 Problem Statement

1.1.1 Understanding the content in the dataset

1.1.2 Comprehending the IIIIIIIIIIIIIIIIII

1.1.3 Learning about complex ideas

1.2 Key issues project addresses

1.3 Contributions of this project

Chapter 2

Project Methodologies

2.1 Project management approach

The project methodology followed in this project was using a spiral model. This model used included requirements analysis, design, implementation, and evaluation phases. These phases For each feature produced in the visualisation a full iteration of the spiral was com-

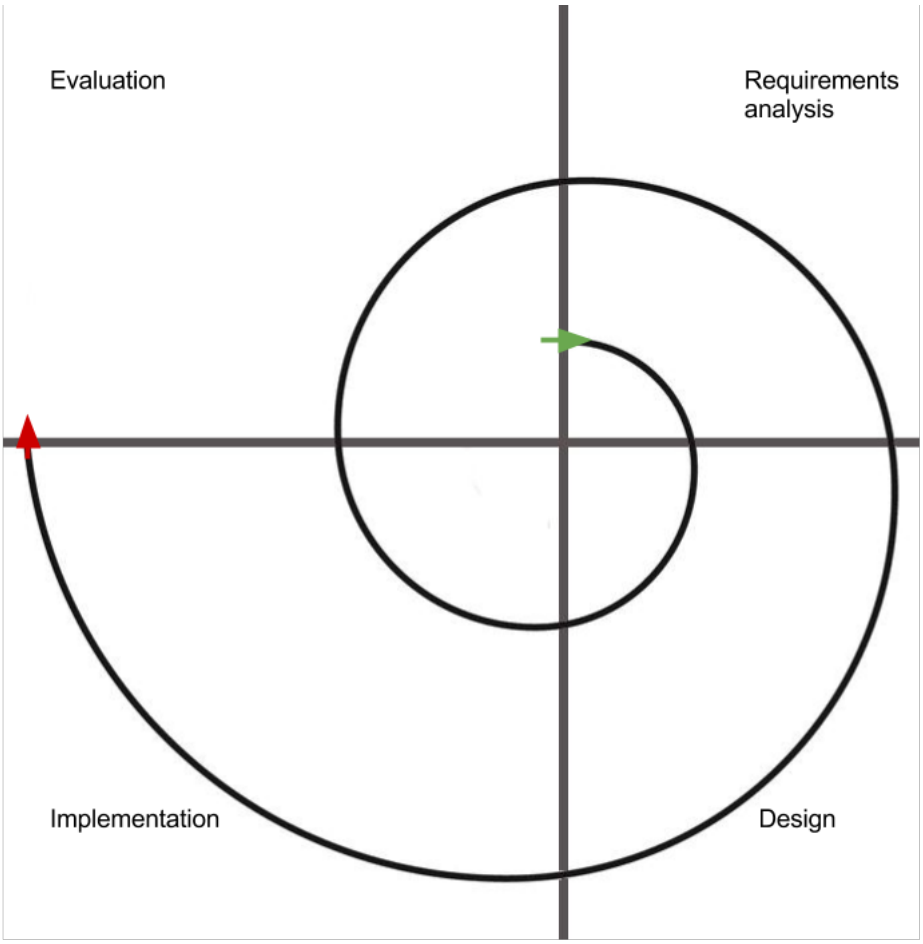

Figure 2.1: Image of The Kepler Orrery Visualisation

pleted.

This project management technique supported the creation of a visualisation as

The advantages of this methodolgy over others such as stricter models such as the waterfall model or a looser agile aproach.....The reason that this was effective.....

The choice of this project management apprach meant ....

Weekly meetings with the supervisor of the project, Dr Stuart Marshall, were used to provide guidance and

2.2 System design approach

By choosing to expand on an already exisiting system

2.3 Key difficulties encountered

Chapter 3

Requirements Analysis

3.1 User models

3.2 Scenarios

3.3 Requirements summary

3.4 Existing systems

Chapter 4

Solution Design: Improved Kepler Visualisation Tool

4.1 Design Features

Chapter 5

Visualisation implementation

5.1 Technology choice

5.1.1 System design and structure

5.1.2 Tools and artifacts used

Chapter 6

Visualisation implementation

6.1 Technology choice

6.1.1 System design and structure

6.1.2 Tools and artifacts used

Chapter 7

Conclusions

The conclusions are presented in this Chapter.

Bibliography