

# KING'S COLLEGE LONDON

## 4CCS1PPA PROGRAMMING PRACTICE AND APPLICATIONS

### Third "Simulation" Coursework (Feb 2025)

Project Name: The Simulation

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# 1 Introduction

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## 2 Tasks Lists and Implementation Details

### 2.1 Base Tasks

**At least five different kinds of acting species:** Something something.

**At least two predators should compete for the same food source:** Something something.

**Species should distinguish male and fe-**

male individuals:

**Time of day should be kept track of:**

### 2.2 Challenge Tasks

**Add plants:**

**Add weather:**

**Add diseases:**

## 3 Code Quality Considerations

### 3.1 Coupling

### 3.2 Cohesion

### 3.3 Responsibility-Driven Design

### 3.4 Maintainability

## 4 Final Remarks