Imagine Cup

Project Blueprint Challenge

Games

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| **Team Name** | UnrealCup |
| **Country** | Germany |
| **Project Name** | UnrealCup |

# Concept

Briefly explain your game’s concept here. Describe the gameplay and provide a few relevant examples.

Fußballsimulation, Regelsimulation, Physik, 3D

XBOX, PC, (Windows Phone Editor?)

KI spielerisch erstellen

Grafischer Editor 🡪 Tablet?

Spieler “anlernen” 🡪 Makro mäsig/”Vorspielen”

Ohne programmierkenntnisse möglich

Programmieren “lernen”

Logik verstehen

Advanced User können selbst Ki erstellen/manipulieren

# Target Audience

Explain who your audience is. Consider targeted platforms, geography, and demographics. If you can estimate the size of your target audience please do so and cite your source for the estimated data.

* Schüler, Studenten
* Vorlesungunterstützung
* Als Basis für Logikinteressierte
* Junge, technikaffine Leute
* Strategie Spieler
  + “Die perfekte KI entwickeln”
  + “Perfektionisten”

# Personas

A typical user for our project is John Smartman, he is a 16 year old sixth former at a German school. He likes to work with computers and he even tried to write some computer program before. So he decided to go to a special school with Computer Science as main course. In one of his first Computer Science courses his teacher wants so explain the logic of computer programs. For this purpose the teacher used UnrealCup to show the principals of computer logic. He explains how the decisions of the robots are defined by logic in their AI. John was so fascinated by this and downloaded UnrealCup to his own computer and took a better look at it. After a few days playing with the editor he began to program his own AI. After working with UnrealCup he got really fascinated by software development and decided to study Computer Science.

The second typical person is Jack Hardcore, he is quite the opposite of John. He is a 20 year old student and likes to play games. He is a perfectionist in his games, he does not quit before he gets the best solution for a problem or win the game with the highest possible score. After he discovered UnrealCup he tries to create a very good AI in the editor but he does not win against all the competition. So he needs to get a better AI. The only possibility is to program it on his own. So he learns how to do that. As he worked on the AI he begins to like to program software. So he tries to write his own little game. That is how he became an independent game developer.

# Game Mechanics

How does your game work? For each major game system, briefly explore how that system functions, and how it is integrated into the whole game design. Try to provide enough detail that the reader can understand how each system will be implemented.

* Fußball Regeln
  + Unreal Engine
* 2 Teams
  + Logik Spielerweise in LUA Skript
  + Aufstellung via XML
* Grafische Ausgabe und Physik Unreal Engine
* Im Simulationsmodus kann ein Spieler ausgewählt werden und Makros aufgezeichnet warden oder eine KI über z.B. Deep Learneing, Neuronale Netze trainieren.
* Editor
  + Basierend auf HTML/JS
  + Grafisch!
  + Drag and drop

# Top User Stories

Write up the 3-5 most important user stories for your project. This can be epics or implementation-level user stories. For each one include the title and your intended confirmations.

* Leicht zu bedienender Editor
* Gute Grafik, echte Regeln,… JACK
* Es soll nicht zu leicht sein, er will eine Herasuforderung, er will in seinen Möglichkeiten nicht eingeschränkt warden… Selbst Programmieren
* Einfach mal kurz etwas spaß haben

# Competition

What other games will you directly compete with for your audience? How do you expect to differentiate your project from your competitors? What elements from competing games have you included in your design?

* RoboCup
  + Reinarbeiten….viel Programmierkenntnisse
  + Wir haben einen grafischen Editor 🡪 Klicki bunti
  + Wir haben eine bessere Platformunabhängigkeit
  + Wir haben die neuere Engine
    - Grafik
    - Physik
* KEIN Fifa/PES
  + Fifa ist ein aktives Spiel
  + Wir sind eher das Denkspiel
  + Zielgruppe nur kleine Schnittmenge

# Business Model

How will your project make money? If it provides an ongoing service, how will that service be sustainable? If there are critical partnerships you must make for your business model to work, describe those here as well.

* LIzensen an Bildungseinrichtungen verkaufen
  + Schüler/Student am Ende kostenlos
* Wenn die Bildungseinrichtung nicht mit macht, gibt es auch Einzellizensen
* Wie Machen wir die BIldungseinrichtungen auf uns Aufmerksam?
  + Abgespeckte Gratis Version?
  + Privat kostenlos, nur BIldungseinrichtungen zahlen?
  + Komfortoptionen kostenpflichtig?
  + Free2Play? 🡪 Marketplace für Editorpakete
    - Optisch: Animationen, Skins…
    - Neue Aktionen
* Komplett Frei?
  + Werbeeinblendungen?
  + Bannerwerbung wie im echten Fußball

# Core Technologies

This includes your key platform(s) as well as specific technologies such as the Kinect SDK, the Unity game engine, or other elements that you believe will be critical to your project’s success.

* UnrealEngine
* LUA
* Editor: HTML/JS