Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Project

Implementation

Workflow

Anttris - CSE 326

Chris Aikman Benji Cope Skyler Manzanares Hugo Rivera Sean Turner

April 27, 2015

Overview

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Why

The Game

Workflow

Demo

Q A

Motivation

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Motivation

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera Soon Turnor

Paper Summary

Projec

Implementation

Workflow

Wanted to make an interactive and competative game

Motivation

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera

Paper Summary

Proied

Implementation

Workflow

Wanted to make an interactive and competative game Really enjoyed the idea

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementati

Workflov

Project Considerations

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Julillia

......

- Project Considerations
 - Size

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Implementati

- Project Considerations
 - Size
 - Entertainment Value

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Project Considerations
 - Size
 - Entertainment Value
 - Portability

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- Project Considerations
 - Size
 - Entertainment Value
 - Portability
- Puzzle Game

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- Project Considerations
 - Size
 - Entertainment Value
 - Portability
- Puzzle Game
- Competitive Edge

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementation

- Project Considerations
 - Size
 - Entertainment Value
 - Portability
- Puzzle Game
- Competitive Edge
 - Play Against A Friend

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- Project Considerations
 - Size
 - Entertainment Value
 - Portability
- Puzzle Game
- Competitive Edge
 - Play Against A Friend
 - See Opponent Playing

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera Sean Turner

Paper Summary

Projec

implementatio

- Project Considerations
 - Size
 - Entertainment Value
 - Portability
- Puzzle Game
- Competitive Edge
 - Play Against A Friend
 - See Opponent Playing
- Custom Puzzles

GUI

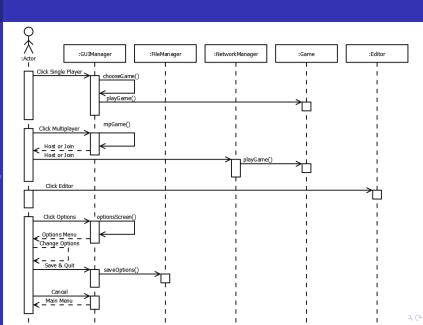
Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation



Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

_ .

Implementation

Workflow

ANTTRIS

Single Player

Multiplayer

Editor

Options

Exit

Data Manager

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Droine

Implementati

Workflow

Serialize Data

Data Manager

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Proiec

Implementation

- Serialize Data
- Save / Load Options

Data Manager

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summa<u>ry</u>

Project

Implementatio

- Serialize Data
- Save / Load Options
- Save / Load Puzzles

Editor

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summa<u>ry</u>

Duning

Implementation

- Add/replace/remove different block types
- Load/save

Editor

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementation

- Add/replace/remove different block types
- Load/save
- Mobile friendly interface

Editor

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera Sean Turner

Paper Summary

Project

Implementation

- Add/replace/remove different block types
- Load/save
- Mobile friendly interface
- Layer management: create random, remove current (Stretch goal)

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Project

Implementation

Workflow

The Problem:

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Ja.....

Implementation

Workflow

The Problem:

Need to generate puzzles

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summa<u>ry</u>

Implementation

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementation

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

The Solution:

Generate all positions

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementatio

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

- Generate all positions
- Randomize

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

- Generate all positions
- Randomize
- Assign based on position

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to generate puzzles
- Need to be solvable
- Need to follow the rules

- Generate all positions
- Randomize
- Assign based on position
- Randomize pairs

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Ju.....

Implementat

Workflow

The Problem:

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Juillilla

Workflow

The Problem:

Need to check for solutions

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementation

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles
- Check puzzles from the editor

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles
- Check puzzles from the editor

Solver

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles
- Check puzzles from the editor

The Solution:

Pull out pair blocks

Solver

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles
- Check puzzles from the editor

The Solution:

- Pull out pair blocks
- Make sure all pair blocks have a pair

Solver

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

Workflow

The Problem:

- Need to check for solutions
- Check random puzzles
- Check puzzles from the editor

The Solution:

- Pull out pair blocks
- Make sure all pair blocks have a pair
- Check if the pair is on the same layer

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementati

Workflow

Multiplayer

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Project

Implementati

- Multiplayer
- P2P

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

_ .

Implementation

- Multiplayer
- P2P
 - Non-random Opponents

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera,

Paper Summa<u>ry</u>

Proiec

Implementation

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Proiec

mplementation

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model
- Key Events

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model
- Key Events
 - Start of Game

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model
- Key Events
 - Start of Game
 - Transform Puzzle

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model
- Key Events
 - Start of Game
 - Transform Puzzle
 - Select Blocks

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- Multiplayer
- P2P
 - Non-random Opponents
 - Network Information
 - Server-Client Model
- Key Events
 - Start of Game
 - Transform Puzzle
 - Select Blocks
 - Game End

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementati

Workflow

■ The puzzle grid

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summa<u>ry</u>

......

- The puzzle grid
- Pair blocks

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementatio

- The puzzle grid
- Pair blocks
- Laser blocks

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- The puzzle grid
- Pair blocks
- Laser blocks
- Wild blocks

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

- The puzzle grid
- Pair blocks
- Laser blocks
- Wild blocks
- Score

Approach

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

mplementati

Morkflow

Customer Requirements a fast, multiplatform block puzzle game with multiplayer and an editor.

System Design We based it heavily on Godot classes and previous work with prototypes (a Three.js and a Unity prototype)

Object Design GridMan, AbstractBlock, CameraControl Implementation and Testing Gut.gd covered silly bugs

nttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summary

Project

Implementation

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera,

Paper Summary

Project

Implementati

Workflov

Domain specific language

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Domain specific language
- Object oriented, python-like

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Domain specific language
- Object oriented, python-like
- Automatic concurrency, automatic resource caching

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Domain specific language
- Object oriented, python-like
- Automatic concurrency, automatic resource caching
- Dynamic, bugs easy to introduce

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Domain specific language
- Object oriented, python-like
- Automatic concurrency, automatic resource caching
- Dynamic, bugs easy to introduce
- Example: methods passed as (object, string) tuples

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- Domain specific language
- Object oriented, python-like
- Automatic concurrency, automatic resource caching
- Dynamic, bugs easy to introduce
- Example: methods passed as (object, string) tuples
- Files are classes

```
extends ''Food.gd''

func fry():
return self.fried()

class GrillFuel:
```

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementatio

Workfl

- Domain specific language
- Object oriented, python-like
- Automatic concurrency, automatic resource caching
- Dynamic, bugs easy to introduce
- Example: methods passed as (object, string) tuples
- Files are classes

```
extends 'Food.gd''

func fry():
return self.fried()

class GrillFuel:
```

■ Tightly integrated with all of Godot's C++ classes. Fast where it counts.

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Workflow

■ Godot was easy to learn.

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Project

Implementation

- Godot was easy to learn.
- Library consisting of 400+ classes, less so

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skylei Manzanares Hugo Rivera Sean Turner

Paper Summar

Project

Implementation

- Godot was easy to learn.
- Library consisting of 400+ classes, less so
- Limited use of the neat GUI interface, binary files don't agree with Github

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summary

Implementation

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Proiec

Implementation

Workflow

■ We used Github as our source control.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Proiec

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!
 - Which means, we didn't always adhere to the rules.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!
 - Which means, we didn't always adhere to the rules.
- Continuous Integration

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!
 - Which means, we didn't always adhere to the rules.
- Continuous Integration
 - Travis CI. It's awesome and everyone should try it!

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!
 - Which means, we didn't always adhere to the rules.
- Continuous Integration
 - Travis CI. It's awesome and everyone should try it!
 - Not to mention free for open source projects.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

- We used Github as our source control.
- To facilitate an agile workflow we used Zenhub.
 - Zenhub integrates a Scrum board right in Github.
 - We set out to use certain parts of Scrum, but we're students!
 - Which means, we didn't always adhere to the rules.
- Continuous Integration
 - Travis CI. It's awesome and everyone should try it!
 - Not to mention free for open source projects.
 - Godot has a headless GNU/Linux server project which turned out to be perfect for this, with some scripting (more on this shortly)

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Dun in at

Implementation

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Workflow

■ Branches

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

Branches

■ We used branches and pull requests to merge changes.

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Proiec

Implementation

Workflow

- We used branches and pull requests to merge changes.
- This facilites easy code reviews before things get broken!

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Project

Implementation

Workflow

- We used branches and pull requests to merge changes.
- This facilites easy code reviews before things get broken!
- Unit testing

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Workflow

- We used branches and pull requests to merge changes.
- This facilites easy code reviews before things get broken!
- Unit testing
 - We used the [G]odot [U]nit [T]esting framework, aka GUT.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

- We used branches and pull requests to merge changes.
- This facilities easy code reviews before things get broken!
- Unit testing
 - We used the [G]odot [U]nit [T]esting framework, aka GUT.
 - This works nicely with Travis, thanks to a Python script Hugo wrote to catch return values and report on unit test results.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

- We used branches and pull requests to merge changes.
- This facilities easy code reviews before things get broken!
- Unit testing
 - We used the [G]odot [U]nit [T]esting framework, aka GUT.
 - This works nicely with Travis, thanks to a Python script Hugo wrote to catch return values and report on unit test results.
 - This project is hosted on Bitbucket at https://bitbucket.org/bitwes/gut/overview.

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summary

Project

Implementation

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Project

Implementation

Workflow

Planning

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Proiec

Implementation

Workflow

Planning

Game Rules

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summary

Projec

Implementation

Workflow

Planning

Game Rules

Puzzle and Blocks and Networking

Anttris – CSE 326

, Chris Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera Sean Turner

Paper Summar

Projec

Implementation

Workflow

Planning

Game Rules

Puzzle and Blocks and Networking

Testing

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summary

Б.

Implementation

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summary

Projec

Implementation

Workflow

Nothing.

Anttris – CSE 326

, Cillis Aikman, Ben Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Proiec

Implementation

Workflow

■ Power of Starting Early

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Projec

Implementation

- Power of Starting Early
- Risk of Distributed Workload

Anttris – CSE 326

, Chris Aikman, Benj Cope, Skyler Manzanares, Hugo Rivera, Sean Turner

Paper Summar

Project

Implementation

- Power of Starting Early
- Risk of Distributed Workload
- Applicability of Agile Methods

Demo

Anttris – CSE 326

, Chris Aikman, Benji Cope, Skyler Manzanares, Hugo Rivera, Sean Turper

Paper Summarv

Project

Implementation