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| 1. **Summary Data** | |
| **Team Number** | 15 |
| **Sprint Technical Lead(s)** | Bayley Cowen-Seagrove |
| **Sprint Start Date** | 20/04/20 |
| **Sprint End Date** | 30/04/20 |

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| 1. **Individual Key Contributions** | |
| **Team Member** | **Key Contribution(s)** |
| Bayley Cowen-Seagrove | Having spent a good amount of time researching artificial intelligence (AI) and how an AI player could be best implemented in the context of Property Tycoon, Bayley took the lead for this sprint, providing Thomas, as the main coder of the sprint, with opinions and research points. |
| Thomas Senyah | Took up the task of coding the AI player into the game. |

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| 1. **User Stories/Task Cards** |
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| 1. **Requirements Analysis** |
| **Functional Requirements:**   * **FR-02:** Property Tycoon Application must include the use of *A.I players* to take over the roles of one or more of the players in the game when less than 6 players are playing. |

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| 1. **Design** |
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| 1. **Test Plan & Evidence of Testing** |
| **System Level Testing:**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Test No.** | **Description** | **Input(s)** | **Expected Outcome** | **Actual Outcome** | **Success?** | | 1 | Does the game engine correctly fill in vacant players with AI player? | Number of human players [integer] playing. | The game engine fills up to five vacant spots with AI. | N/A - No AI players currently implemented. |  |   - |

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| 1. **Summary of Sprint** |
| Unfortunately, the team were unable to make any physical progress with the implementation of the AI player. Despite the quality and thoroughness of Bayley’s research into the topic, there was still a lack of knowledge and understanding regarding how we would tackle this section of the software, and with the time remaining to complete this dwindling, the team took the decision to leave out this section of the submission.  Therefore, as a result, there is no working prototype for this sprint.  The team all credited Bayley with the research he had gathered, but obviously what didn’t go well in this sprint is simply the fact that we as a team underestimated the complexity of developing and implementing AI, so given more time we agreed that having more hands on deck from the other members of the group would be required in order to produce a good AI solution in a timely manner. |