

C4 - Assessment of System Demonstration

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Requirements

The presentation revealed a strong commitment to meeting our functional requirements. Important specifications included implementing a mobile application, having a central control system, supplying and maintaining robot shopping carts, including position nodes throughout a store, and calling robot carts to traverse a store floor. Lower priority specifications were also met or at least shown to be in future work, such as being able to provide data analytics and preventing malicious user action.

Presentation

The presenters were engaging and were able to articulate well the product idea, requirements, and past, current and future work. They were lively and seemed invested in seeing the project reach fruition. Our specifications did not supply guidance on how to develop an image or brand for the product. The presentation revealed a product name of RoboDog™ and a simple text design and colour scheme. It was impressive to see this as it matches what we would have wanted in terms of branding and user friendliness. All team members presented different aspects of the system which revealed a shared work ethic and joint commitment to the project from the entire group. Many of acceptance tests were performed. The missing tests were understandably not able to be shown due to time constraints and not part of the minimum product demonstration. These tests included prompt for user information upon first opening the application, successfully scanning a QR code, accepting a new robot cart, and notification of cart dispatch.

Prototype Demo

The prototype showed a good understanding of how we pictured the application to appear and function. As mentioned earlier, our specifications did not fully explore a branding or visual hook for the application, and the demo provided well thought out ideas to implement during finalization of the product or at least to further explore. The demo provided clear capabilities of multiple use cases such as retrieving a cart, sending a full cart away in exchange for an empty cart, and finally checking out all carts at the cashier. This was a good minimum product demonstration and provides confidence in the customer being able to fully implement the application in the future. It was satisfactory to see an example of a store floor layout, the intervals of nodes spread and how the robots would traverse.

Overall

The overall presentation was well done and met our specifications in what we wanted to see in terms of progress, challenges, and demonstration of a prototype system. The presenters were clear, engaging and showed an understanding of our system specifications. With this knowledge we are able to move forward with confidence in their ability to fully implement the system. We would look forward to future investments with Almost Games.