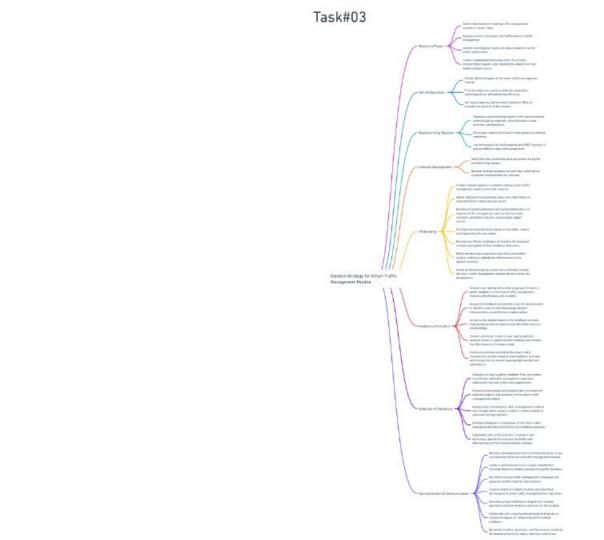
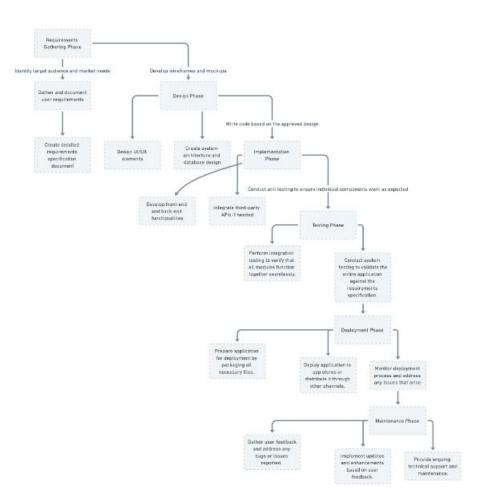
DTC-JECRC-BATCH No.2 -Task 1-9



Made with Whimsical







Agile Board: Smartwatch development Develop firmware Design the Develop Develop

for controlling
smartwatch
hardware
components
components
sensors, and display

Develop companion mobile apps for iOS and Android

platforms

Test for

systems

Design the user interface (UI) and user experience (UX) for the smartwatch and companion apps

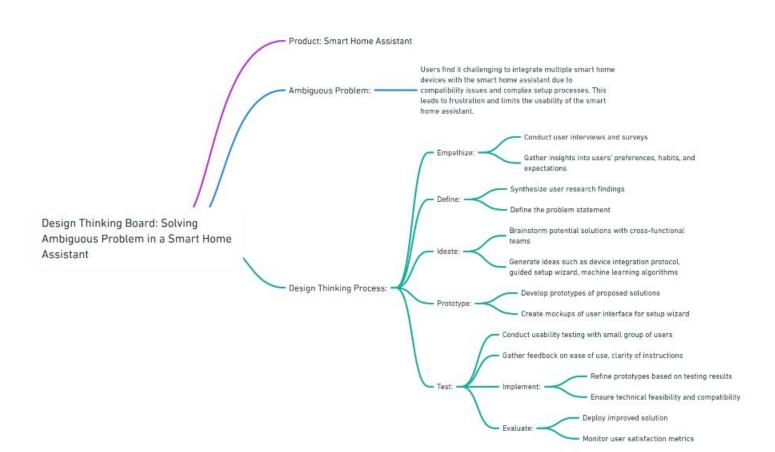
Conduct unit testing for firmware and software components Perform integration testing to ensure all features work together seamlessly

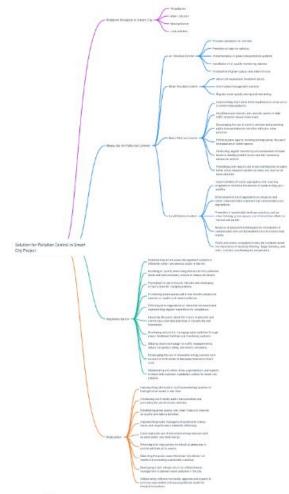
Refine firmware

compatibility with different devices and operating Develop basic firmware architecture in Sprint 1

Implement core features in firmware in Sprint 2

functionality based on feedback in Sprint 3 Review completed tasks and assess their alignment with sprint goals in Sprint Review Reflect on the sprint process and identify areas for improvement in Retrospective





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Use of Robo	ots in Welding in	inaccessible area	s / Foundry
Traditional welding in foundries faces challenges in accessing confined or hazardous areas, impacting safety and efficiency	Human welders face risks in extreme temperatures or hazardous environments, affecting productivity and safety	Robotics offer a solution by accessing inaccessible areas without risking human safety	Advanced robotic system with sensors and AI can navigate complex environments and execu precise welds with minimal human intervention
Increased productivity due to continuous operation without fatigue	Enhanced safety by replacing humans in hazardous environments	Improved quality through consistent and precise welds, minimizing defects	Significant investmer in equipment, training and infrastructure required for implementation
Integration with existing workflows and processes may	Adoption of robotics in foundry welding expected to increase as technology advances and costs	Continued research aims to enhance robotic capabilities, such as improved mobility and	

decrease

pose challenges

adaptability.