Sprint 1 Planning

Sprint team members

Name	Role
Sicheng NIE	Scrum Master
Renwei Hu	Product Owner
George Wang	Architecture Lead
Siyi Liu	Development Environment Lead
	Deployment Lead

Objectives

- 1. Review the Agile software development approach
- Collect and organise client requirements
 Conduct background research on relevant fields (computer vision + voice recognition)
 Get familiar with the Robot Operating System (ROS)

Sprint 1 backlog

Epic	Epic ID	Task	Sub Task	Task ID	Story Point (1-10)	Assignee	Priority	Status
General Admin GA	GA	Set up essential tools	Create Trello board	GA 1.1	1 pt	Sicheng NIE	HIGH	DONE
			Join Confluence	GA 1.2	1 pt	All	HIGH	DONE
			Create a GitHub team repository	GA 1.3	1 pt	Sicheng NIE	HIGH	DONE
		Documentation Update	Confluence basic structure	GA 2.1	2 pt	Renwei Hu	HIGH	DONE
			Confluence home page	GA 2.2	1 pt	Renwei Hu	MEDIUM	DONE
			Weekly Trello screenshot	GA 2.3	1 pt	Renwei Hu	MEDIUM	DONE
			Finish Sprint 1 planning	GA 2.4	4 pt	All	HIGH	DONE
			Check sprint checklist	GA 2.5	2 pt	Sicheng NIE	HIGH	DONE
		Meetings	Meeting minutes	GA 3.1	3 pt	George Wang	MEDIUM	DONE
			Create a client meeting Zoom link	GA 3.2	1 pt	Renwei Hu	MEDIUM	DONE
		GitHub	Upload relevant sprint docs	GA 4.1	3 pt	All	HIGH	DONE
Client Requirements	CR	Collect project information	Client meeting	CR 1.1	3 pt	All	HIGH	DONE
		Organise client requirements	Do / Be / Feel list	CR 2.1	2 pt	Sicheng NIE	нівн	DONE
			Motivational model	CR 2.2	3 pt	George Wang	HIGH	DONE
			Personas	CR 2.3	3 pt	Renwei Hu George Wang	HIGH	DONE
			User stories	CR 2.4	3 pt	Sicheng NIE Ren wei Hu	HIGH	DONE
			Create consistent task ID	CR 2.5	2 pt	Renwei Hu	MEDIUM	DONE
Detect objects visually (Computer Vision)	CV	Background research	Familiar with YOLO	CV 1.1	4 pt	Renwei Hu	HIGH	IN PROGRESS
Interact with the environment arurally	VR	Background research	Natural language voice commands	VR 1.1	4 pt	George Wang	HIGH	IN PROGRESS
(Voice Recognition)								

Integrate visual and audio inputs (Decision Making)	DM							
Move robotic arm (Robotic Control)	RC	Background research	Familiar with ROS Research on ROS4HRI	RC 1.1	5 pt 4 pt	All	нівн	IN PROGRESS IN PROGRESS
Check & adjust system status (System Status)	SS							

Potential risks

Risk	Mitigation
Ambiguous requirements	List the most reasonable explanations considering actual scenarios of use, and further clarify during the next client meeting
Inconsistency between user stories and tasks listed on Trello	Use consistent epic ID and user story ID

Sprint planning resources

- https://www.atlassian.com/agile#:~:text=The%20Agile%20methodology%20is%20a,planning%2C%20executing%2C%20and%20evaluating.
 https://stackify.com/agile-methodology/#:~:text=Examples%20of%20Agile%20Methodology,pick%20one%20or%20two%20methods.
 https://pjreddie.com/darknet/yolo/