

CSLAB – Final Delivery

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Safety and Reliability Analysis

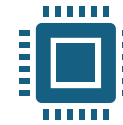
Traceability

		A	B	C	D	E	F	G	H	I
		Automated Lig...	Automated H...	User Interface	Hazard Mitigation	Notification System	WSN Network	Fail-safe Mech...	Robust Input ...	Fault-toler...
0	System Requirem...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Natural Light A...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Artificial Light C...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Heating Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Preference Conf...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Preference Notif...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Failure Prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Temporary Fix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Wireless Sensor...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Input Validati...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Error Notificatio...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Self-Diagnostic...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Fault Isolation ...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Improvements made to the system



Logic on the
blinds



Assembly
Functionality



Real Time
Tasks



Smart Data
Model



Demo



Teamwork Management

<input type="checkbox"/>	Type	# Key	Summary	Status	Sprint	Assignee	Due date	Labels	Created	Updated	Criador	+
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-2	Problem Domain - White Box	CONCLUÍDO	Sprint 1	André Filipe Almeida...			9/12/2024	10/12/2024	Jorge Rafael Novais ...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-3	List of technologies to use	CONCLUÍDO	Sprint 1	Jorge Rafael Novais ...			9/12/2024	10/12/2024	Jorge Rafael Novais ...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-1	Problem Domain - Black Box	CONCLUÍDO	Sprint 1	Jorge Rafael Novais ...			9/12/2024	10/12/2024	Jorge Rafael Novais ...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-4	List of sensors to use	CONCLUÍDO	Sprint 1	André Filipe Almeida...			9/12/2024	10/12/2024	Jorge Rafael Novais ...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-8	Functionality written in assembly	CONCLUÍDO	Sprint 2	André Filipe Almeida...			18/12/2024	18/12/2024	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-6	Concurrency and RT scheduling parameters	CONCLUÍDO	Sprint 2	Jorge Rafael Novais ...			18/12/2024	18/12/2024	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-9	Report	CONCLUÍDO	Sprint 2				18/12/2024	18/12/2024	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-7	Baseline communication software infrastructure	CONCLUÍDO	Sprint 2	André Filipe Almeida...			18/12/2024	18/12/2024	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-5	Solution Domain	CONCLUÍDO	Sprint 2	Jorge Rafael Novais ...			18/12/2024	18/12/2024	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-10	Threads tasks	CONCLUÍDO	Sprint 3	André Filipe Almeida...			26/12/2024	13/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-12	server node red	CONCLUÍDO	Sprint 3	Jorge Rafael Novais ...			26/12/2024	13/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-13	conexão mqtt (node -red)	CONCLUÍDO	Sprint 3	Jorge Rafael Novais ...			26/12/2024	13/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-11	separar arduínos	CONCLUÍDO	Sprint 3	André Filipe Almeida...			26/12/2024	13/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-14	RAMDE/RTAES/COMCS (update se tivermos tempo)	CONCLUÍDO	Sprint 3	André Filipe Almeida...			26/12/2024	16/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-15	Atualizar concorrência	CONCLUÍDO	Sprint 4	André Filipe Almeida G			13/01/2025	16/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-16	Atualizar lógica dos blinds	CONCLUÍDO	Sprint 4	Jorge Rafael Novais ...			13/01/2025	16/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-17	Adicionar Buffers (Blinds / Heater)	CONCLUÍDO	Sprint 4	André Filipe Almeida...			13/01/2025	16/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-18	Atualizar RAMDE	CONCLUÍDO	Sprint 4	Jorge Rafael Novais ...			13/01/2025	16/01/2025	André Filipe Almeida...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-19	Nova funcionalidade em assembly (CCSYA)	CONCLUÍDO	Sprint 4	André Filipe Almeida...			13/01/2025	16/01/2025	André Filipe Almeida...	

Teamwork Management

The screenshot shows a GitHub repository page for 'CSLAB' by user 'Jorge-1201458'. The repository is public and has 1 watch, 0 forks, and 0 stars. The main branch is 'main'. The repository structure is as follows:

File/Folder	Commit Message	Commit Time
Actuators&Sensors/Actuators_Sensors	Final Update Actuators_Sensors	now
Primeira entrega	Segunda Entrega	3 weeks ago
Room Control Unit	Update server.c	now
Segunda entrega	Segunda Entrega	3 weeks ago
Smart Lighting and Heating Systems	Problem Domain - White Box	last month
.gitignore	Create Papyrus Project	last month
Smart Lightening and Heating System.pdf	Problem Domain - White Box	last month

The commit history shows 9 commits by 'Andregoncalvz' on the 'main' branch. The repository has no description, website, or topics provided. The right sidebar shows the repository's activity, including 0 stars, 1 watching, and 0 forks. There are no releases published, and the packages section is empty.



In conclusion...

Signature _____

Date _____

