

Project Information		
Group ID		Semester (WS2?/2?)
1. Student Name		
2. Student Name		
3. Student Name		
4. Student Name		
Project Title		
Project Description		
GitHub/GitLab/BitBucket etc. URL:		
Code Repository Link		
Architectural Model		
Architecture Type	Client-Server Peer-to-Peer Hybrid	
Mechanism		
Communication	Explain briefly what it is used for:	
TCP		
Explain briefly what it is used for:		
UDP		
Explain briefly what it is used for:		
Other		
Concurrency	Explain briefly what it is used for:	
Multithreading		
Explain briefly what it is used for:		
Multiprocessing		

Text should stay within text boxes. Hidden text and text running outside text boxes will not be considered.

System Architecture Desin

Include a clear diagram of your system architecture (key components and connections between them).

Dynamic Discovery of Hosts	
Discovery Mechanism	Client discovers server Server discovers servers Other. Explain briefly:
Discovery Implemented	Broadcast Multicast Other. Explain briefly:
Discovery Occurs	When system starts Whenever new component comes in Other. Explain briefly:

Voting	
Voting Implemented Using	Bully Algorithm LeLann-Chang-Roberts Algorithm Hirschberg-Sinclairr Algorithm
Group View Used	No Yes. Explain briefly what the group view is used for:
Nodes Identified Using	IP addresses / IP addresses + ports UUIDs Other (describe ID format and reasons for using it):
Election Starts	When system starts When a new server joins When the leader fails

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Fault Tolerance	
Faults Tolerated	Crash Faults (Leader Server, Regular Server, Client) Omission Faults Byzantine Faults
Fault Detection	Explain who sends heartbeats to whom, their frequency, and retries:
Recovery Strategy	

Reliable Ordered Multicast	
Type of Ordering	FIFO Ordering Causal Ordering Total Ordering
Reason for Chosen Ordering	Explain why the selected ordering the right type for the application:
Reliability Mechanism	Acknowledgements Negative Acknowledgments Sequencing Other. Explain briefly:
Implementation Details	

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Make sure the final file is a non-editable PDF (save or export as a PDF).