

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

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

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

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

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

Text should stay within text boxes. Hidden text and text running outside text boxes will not be considered.  
 Make sure the final file is a non-editable PDF (save or export as a PDF).