Bitshala

Bitcoin Protocol Development

Group Discussion Session #1 - [Welcome to the Bitcoin Protocol Development Seminar](#)

Group Discussion Session 📅 on Friday, May 03, 2023, at 8:00 PM IST

Exercise Submission 📅 Recommend to submit by next Sunday, May 05, 2023

Meeting Notes & Reminders

- Please try to keep your cameras on as these sessions wouldn't be recorded

- In case you have an updated Discord name during group discussion, please let BitShala Discord admins know and they would update your name in the upcoming instruction sheet

Your action items

1. Introduce yourself on [Discord](#) if you haven't already.
2. Read study material for Session 1: [Welcome to the Bitcoin Protocol Development Seminar](#).
3. Review the assigned group, chapter(s), and question(s) provided below. Prepare your answers for the group discussion.
4. If assigned as a deputy🤠, familiarize yourself with the expectations outlined in the [link](#). Your assistance will be valuable in guiding and facilitating the discussion.
5. Join the assigned Group Discussion room on time.
6. Introduce yourself and answer the assigned questions with the help of the deputy🤠 during the group discussion.
7. After the group discussion, return to the BitShala #Lounge where we conclude the discussion with all Cohort participants.

This week's Chapters:

Week 1: – [Welcome to the Bitcoin Protocol Development Seminar](#)

This week's Questions:

Round 1:

- Why did Satoshi put so much stress on the irreversibility of transactions?

- What proposed role do SPV nodes play in the bitcoin ecosystem?

- What do you think might happen if Satoshi returned to Bitcoin development?

- How have show-stopping bugs or disruptions to the network been handled in the past?

- In your opinion, what did Satoshi "invent" that was truly innovative?

- What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?

- What is the "fair exchange" problem, and how does it apply to the blockchain?

- Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?

Round 2:

- How do you judge the merits or value of a good project/experiment?

- Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?

- What do you think will happen when the block subsidy runs out?

- Define the differences between a full node, pruned node, and an SPV node?

- What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?

- What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?

- What are checkpoints and do we need them?

Exercise:

For exercise please create an account on Github Classroom. Here's the link to the Week 1 Exercise:
https://github.com/Bitshala-Classrooms/BPD-week-1-assignment

For any help related to the exercise feel free to ask questions in the BPD #general forum of discord.

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Group Member Question

Group	Name / Discord Name	Round 1	Round 2
Group 1	bit-aloo	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	P.M.Jesu Melwin	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	yami	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	Faisal Qureshi	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?
	sudonims	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	delcin	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?
	Praveen 🤠	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	Kinshuk	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	

[Group 2](#)	Luciana/hazel	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	codingp110	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	Mccalabrese	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	BlueHill	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?
	Ranjithkumar Annadurai 🤠	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	PAVAN KALYAN S	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?
	Bhupattii	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	Bala	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	
[Group 3](#)	Yash Gupta	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	Aditya Gupta	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	Akshay Shukla	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	Aadarsh	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?
	Savil 🤠	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	Sambhav	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?

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	Sahil	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	Saurav	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	
Group 4	claddy	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	Deepto	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	Suparnojit Sarkar	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	thevirtualbuddy	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?
	Mango Elephant 🤠	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	Vasu Khanna	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?
	Harsh Jain	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	Beulah Evanjalin	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	
Group 5	Ankush Sharesth	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	Shivansh Gupta	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	Ayush Bachan	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	ajeet	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?

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	Agnivo 🤠	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	Aman Kumar Pandey	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?
	plebji	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	S S Pratap Tanari	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	
Group 6	Makam Aravind	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	Prakash	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not to profit from Bitcoin's success?
	Sameer	What do you think might happen if Satoshi returned to Bitcoin development?	What do you think will happen when the block subsidy runs out?
	Tavis Mariageorge James	How have show-stopping bugs or disruptions to the network been handled in the past?	Define the differences between a full node, pruned node, and an SPV node?
	Jhelam Rout	In your opinion, what did Satoshi "invent" that was truly innovative?	What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
	gite	What is a Sybil Attack, and how has it been solved in the past? How does proof of work enable Sybil resistance for new nodes joining the Bitcoin network?	What is the difference between the block propagation network and the transaction relay network? How does participating in one or the other impact your definition of a full node?
	Vinay	What is the "fair exchange" problem, and how does it apply to the blockchain?	What are checkpoints and do we need them?
	Basanta Goswami 🤠	Why do the authors of Bitcoin's Academic Pedigree believe that bitcoin was ignored by academia for a long time? What reputation/relationship does bitcoin have with academia today?	
Group 7	Md amir	Why did Satoshi put so much stress on the irreversibility of transactions?	How do you judge the merits or value of a good project/experiment?
	Shreyan Joshi	What proposed role do SPV nodes play in the bitcoin ecosystem?	Why do you think Bitcoin's creator remained anonymous and (as far as we know) chose not

				to profit from Bitcoin's success?
	Pallab J D Goswami 🤠	What do you think might happen if Satoshi returned to Bitcoin development?		What do you think will happen when the block subsidy runs out?
	Panuganti Neha	How have show-stopping bugs or disruptions to the network been handled in the past?		Define the differences between a full node, pruned node, and an SPV node?
	Atharva Borkar	In your opinion, what did Satoshi "invent" that was truly innovative?		What are the incentives to run a full node? If I do run a full node, why accept incoming connections given that they come at a cost? What might those costs be?
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