Tutorial 3 & Assignment 1
FinTech (CCST9080)

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Reminder

Due

- 23:59 on February 26th, 2025

Main content

- Select two blockchain platforms and compare them in different aspects
- Pick a specific application that fits one of the two blockchain platforms instead of the other and explain why
- Explain the comparison results of the two blockchain platforms supported by the given example if necessary

Requirements

- Limit the body content in 5 body pages
- Remember to include the names and UIDs of all the group members
- Submit one final PDF file by one member for each group

Suggested formatting

Format of academic papers

- Title
- Authors (and Institutions)
- Abstract
- Keywords
- Introduction
- Related Work
- Proposed Method
- Experiments
- Results and Discussion
- Conclusion(s)
- References

Answers to Assignment 1

This can be divided into sections and subsections to make it better presentation.

Multimedia

- Figure(s)
- Table(s)
- Equation(s)
- Algorithm(s)

Non-body content

- Cover page(s)
- Reference(s)
- Appendix(es)

Multimedia

Figures

- Resolution: High (PDF or vector graphics)
- Caption: After the figure (Fig. 1: XXX.)
- Explanations after the caption (optional)

Tables and Algorithms

- Format: Three-line table format
- Caption: Before the table (Table 1: XXX.)
- Explanations after the caption (optional)
- Footnotes (optional)

Equations (and Formulas)

- Mark the order number
- Explain the variables if necessary

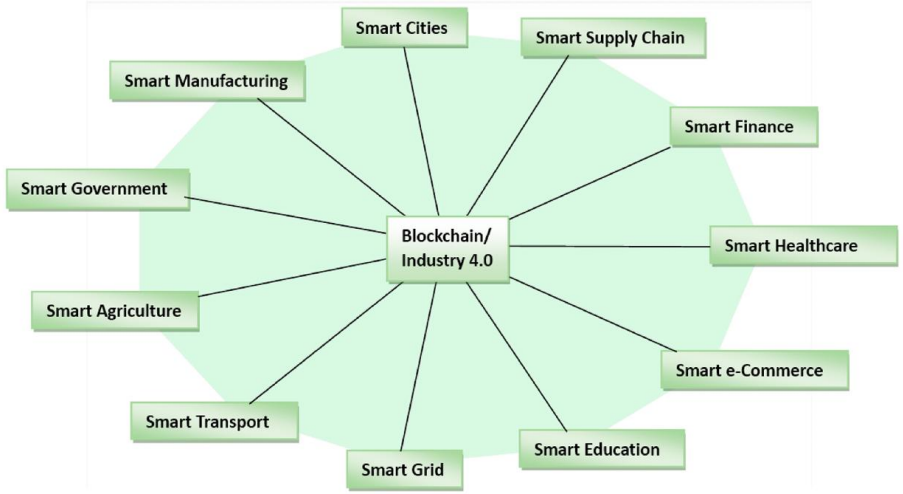


Fig. 14. Evolutionary adoption of blockchain application in different sectors.

Table 2. Blockchain classification.

Type	Description	Number of TA	SoC	Scenario
Private blockchain	Write privileges under the control of an organisation	1	Fast	Information management and sharing within an organisation
Public blockchain	Anyone can be a participant and it is accessible globally	0	Slow	Global decentralized scenarios
Consortium blockchain	Controlled by pre-selected nodes within the consortium	≥	Slightly fast	Businesses among a selected organisation

Non-body Page(s)

Cover page(s)

- Course Information
  - The course name
  - The course ID
  - Indicate the report for Assignment 1
- Group members
  - Full names
  - UIDs

Reference(s)

- Google Scholar
- Prioritize citing papers from journals and conferences indexed by the WoS and EI databases
- Online website sources (official sites)
- Use the same style in citations and references

Appendixes

- Screenshots
- Extensive experimental results
- Authors' contributions (will be treated equal contributions if no statements)

Citing (GB/T):

- Correct: [1, 2]
- Incorrect: [1,2]
- Incorrect: [1-2]
- Correct: [1, 3, 4, 6]
- Correct: [1-3]
- Incorrect: [1, 2, 3]
- Incorrect: [1-3, 4]
- Correct: [2-5, 7-9, 11]
- Incorrect: blockchains(1)

Formatting:

- Correct: 1 byte (B)
- Incorrect: 1 byte(B)
- Correct: blockchains [1] are
- Correct: blockchains [1], so
- Incorrect: blockchains [1] ,so
- Correct: compute 2－1
- Incorrect: compute 2-1

Citations and References

Citation markers (in the IEEE journal style)

Our *BitAnalysis* are different from the above works from different aspects. SilkRoadTravel [34] only focused on the specific silk road analysis, but *BitAnlaysis* is design to support custom wallet analysis. BlockChainVis [35] proposed predefined filters to filter out undesired information for transactions visualization while we emphasize on wallet relationship

This citation marker is in the body content, which is also named in-text citation.

Here, we use the "[]" and the number to cite the reference.

References (in the IEEE journal style)

[31] Txstreet.com, 2019. Accessed: Feb. 16, 2019. [Online]. Available: https://txstreet.com/

[32] Bitnodes.earn.com, 2019. Accessed: Feb. 15, 2019. [Online]. Available: https://bitnodes.earn.com/

[33] Bitcoin big bang, 2019. Accessed: Feb. 15, 2019. [Online]. Available: https://www.elliptic.co/

[34] N. Christin, "Traveling the silk road: A measurement analysis of a large anonymous online marketplace," in *Proc. 22nd Int. Conf. World Wide Web*, 2013, pp. 213–224.

This reference (with order numbers in the order of the first-time citing) is written in a non-body section entitled *References* after the body page(s).

Citations and References

Citation markers (in another style)

This is a test for citation (Einstein, 1950). And here is another test (Boltzmann, Schrödinger und Heisenberg, 1970).

This citation marker is in the body content, which is also named in-text citation.

Here, we use the (authorname, authoryear) to cite the reference.

References (in another style)

Boltzmann, Ludwig, Erwin Schrödinger und Werner Heisenberg (1970). "This is a long title of article B". In: *Some Science Journal*.

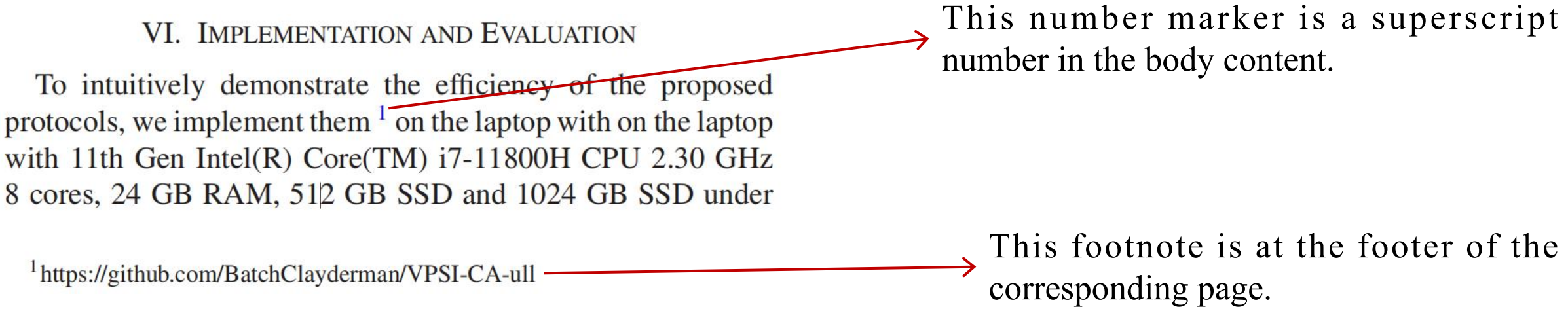
Einstein, Albert (1950). "This is a long title of phdThesis A". Diss. Example School, S. 42–125.

This reference (in the alphabet order) is written in a non-body section entitled *References* after the body page(s).

Footnotes

Footnotes

- Footnotes often appear in textbooks.
- Normally, we seldom use footnotes to cite literature references in academic writing.
- You can use footnotes to offer some extra information.
- The content of the footnote should be written at the footer of the corresponding page.



VI. Implementation and Evaluation

To intuitively demonstrate the efficiency of the proposed protocols, we implement them [1] on the laptop with on the laptop with 11th Gen Intel(R) Core(TM) i7-11800H CPU 2.30 GHz 8 cores, 24 GB RAM, 512 GB SSD and 1024 GB SSD under

[1] https://github.com/BatchClayderman/VPSI-CA-ull

This number marker is a superscript number in the body content.

This footnote is at the footer of the corresponding page.

Tutorial 3

Grouping (5 minutes)

- You will be divided into smaller groups (about 3 per group).

Searching and Discussion (20 minutes)

- A specific topic will be assigned to each tutorial session group.
- Each group should select different topics to proceed (**First Come First Serve**).
- Students will be asked to search and discuss in their groups.
- Students will be asked to present their findings.

Presentation by each group (20 minutes)

- Each group presents their findings based on the application given by the TA

TA comments on the findings (5 minutes)

Thank You !

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