

# #1 Update HHL section in Qiskit textbook

- <https://github.com/qiskit-community/qiskit-advocate-mentorship-program>
- #1 Update HHL section in Qiskit textbook
- Mentor: Frank Harkins
- Mentee: Kavitha Yogaraj, Zhiyong Zhang
- Objectives:
  - Fix user issues
  - Add comments and documentation to improve code readability
  - visualizations and interactive demos

[https://qiskit.org/textbook/ch-applications/hhl\\_tutorial.html](https://qiskit.org/textbook/ch-applications/hhl_tutorial.html)

<https://github.com/qiskit-community/qiskit-textbook/issues>

# #1 Update HHL section in Qiskit textbook: Issues and Progress

## Issues and progress

- [4.1.1]: changed occurrences of ancilla to auxiliary **closed**
- ✓ [4.1.1] A miscalculation in the HHL textbook  
content bug #883 opened on Jan 11 by Kuma-quant
- ✓ [4.1.1] Why a probability appeared in the HHL textbook can exceed 1 ?  
content bug #881 opened on Jan 8 by Kuma-quant
- ✓ 4.1.1. [HHL] Inconsistency in circuit\_depth  
code bug #865 opened on Dec 20, 2020 by paniash
- ✓ [4.1.1] HHL doesn't give the right answer  
Needs Investigating #335 opened on Apr 13, 2020 by yulunwang

Add comments and documentation to improve code readability

Visualization and Animation: