

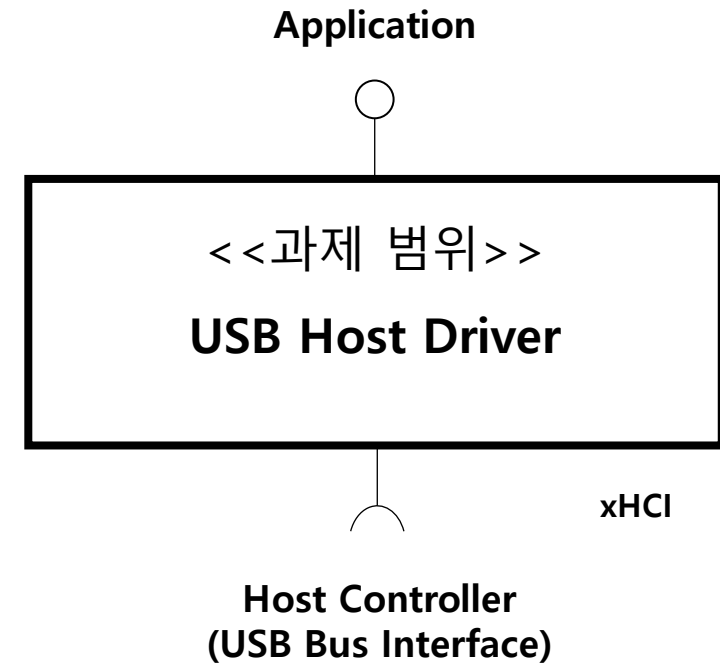
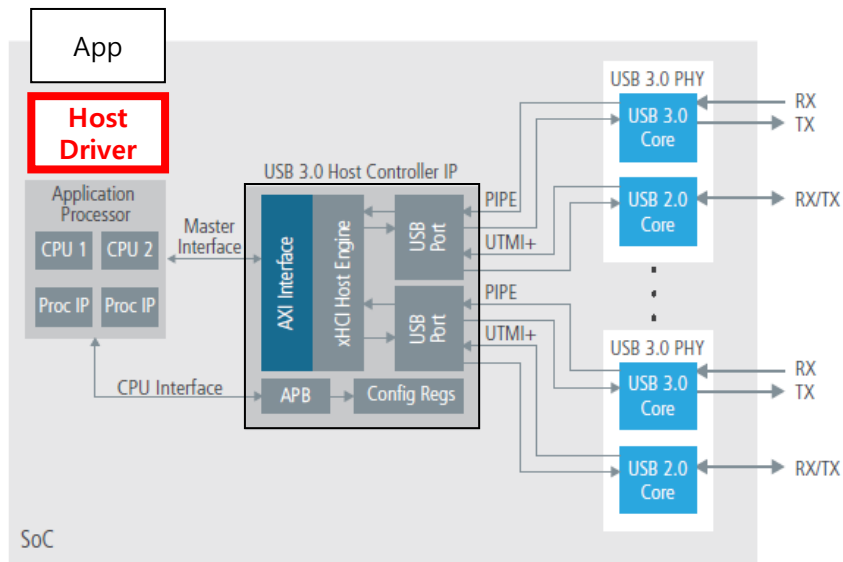
- 기능 명세 -

USB Host Driver

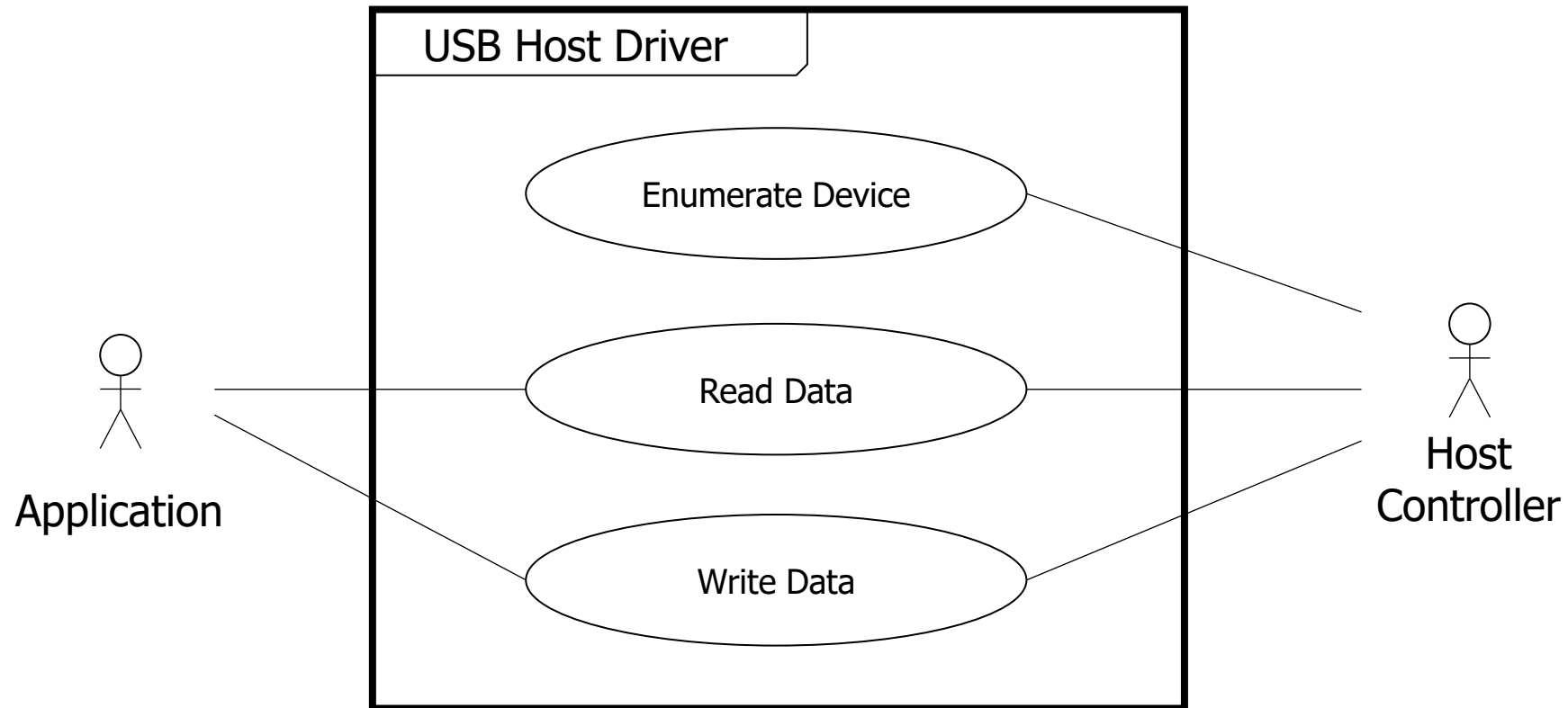
조 용 진

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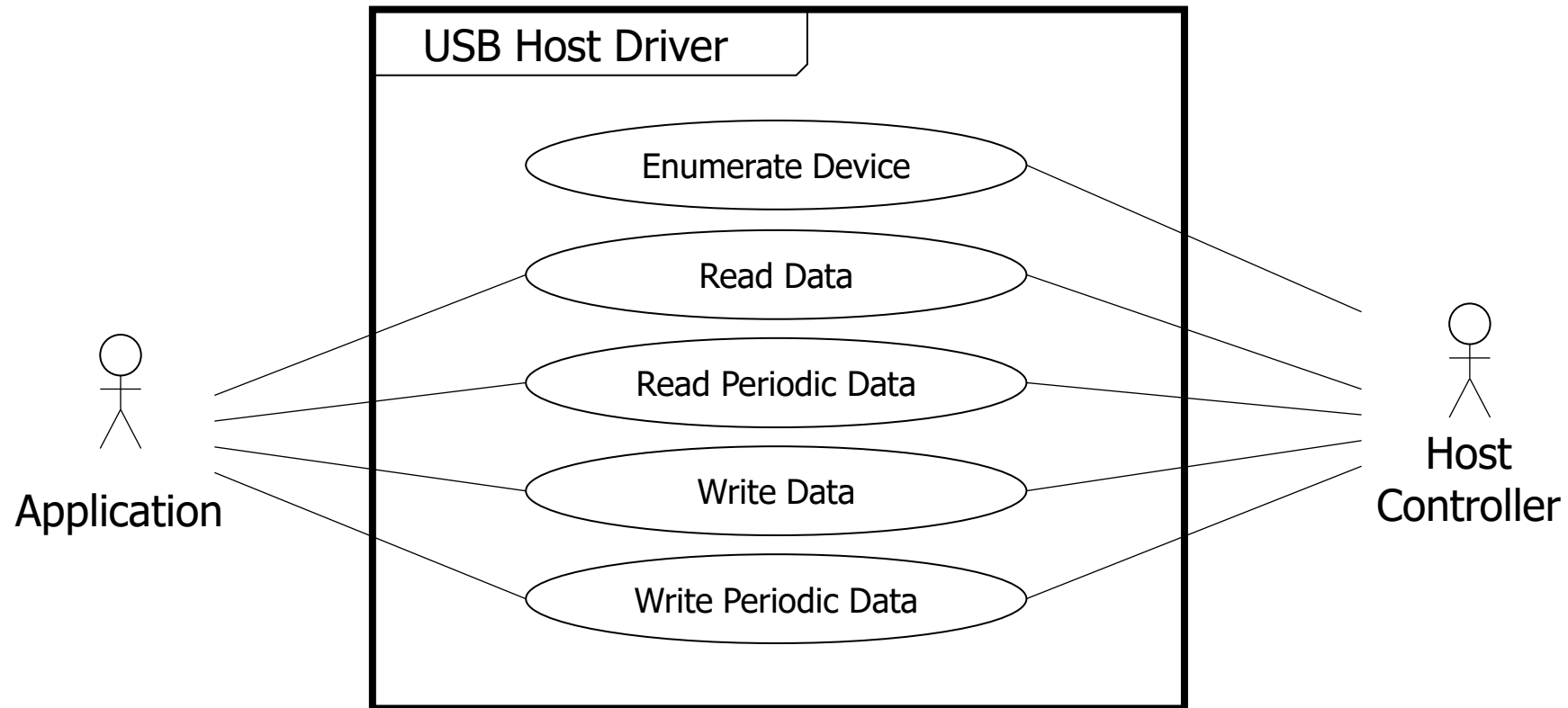
1. 시스템 정의



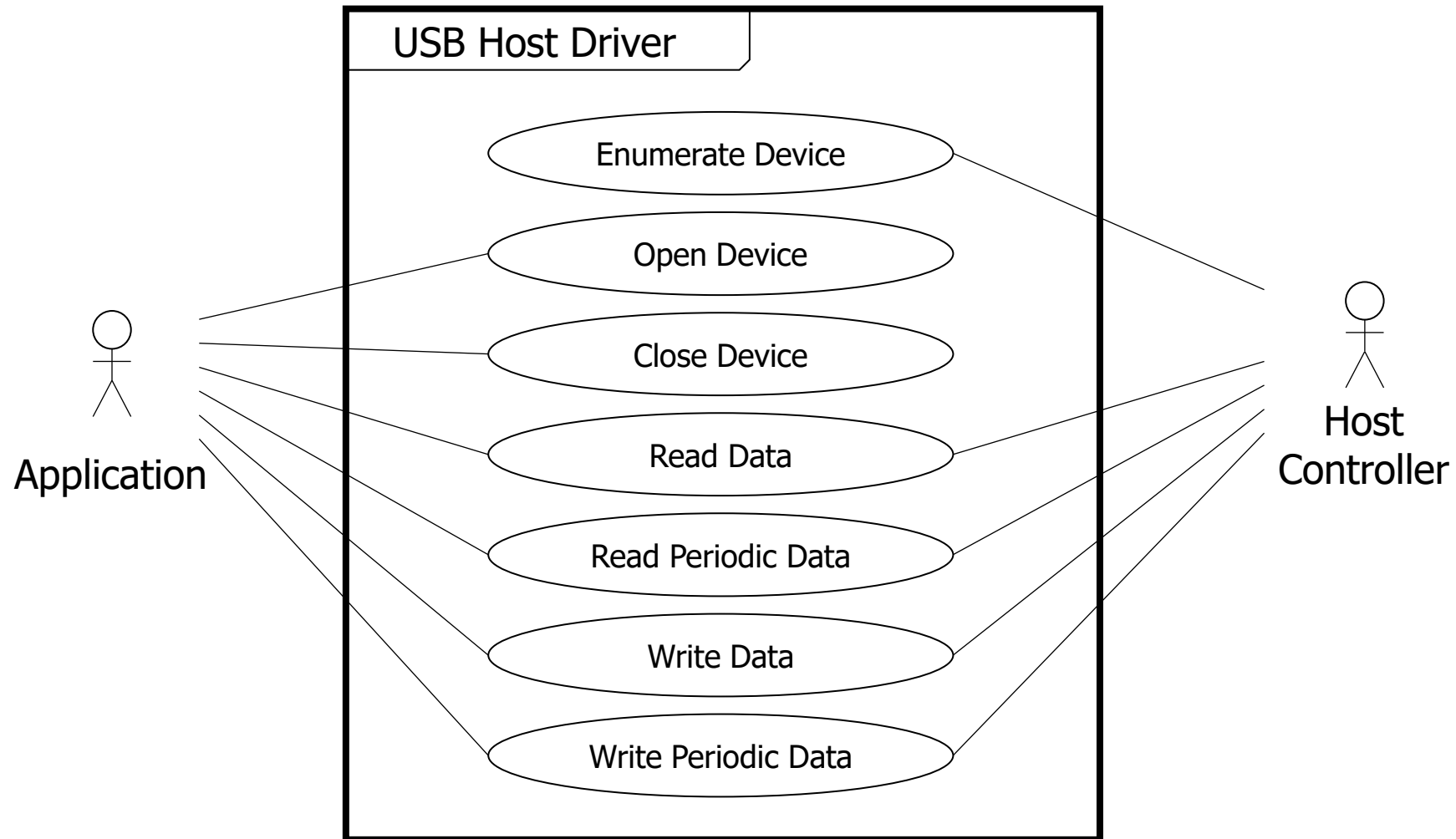
2. 기능 명세



2. 기능 명세

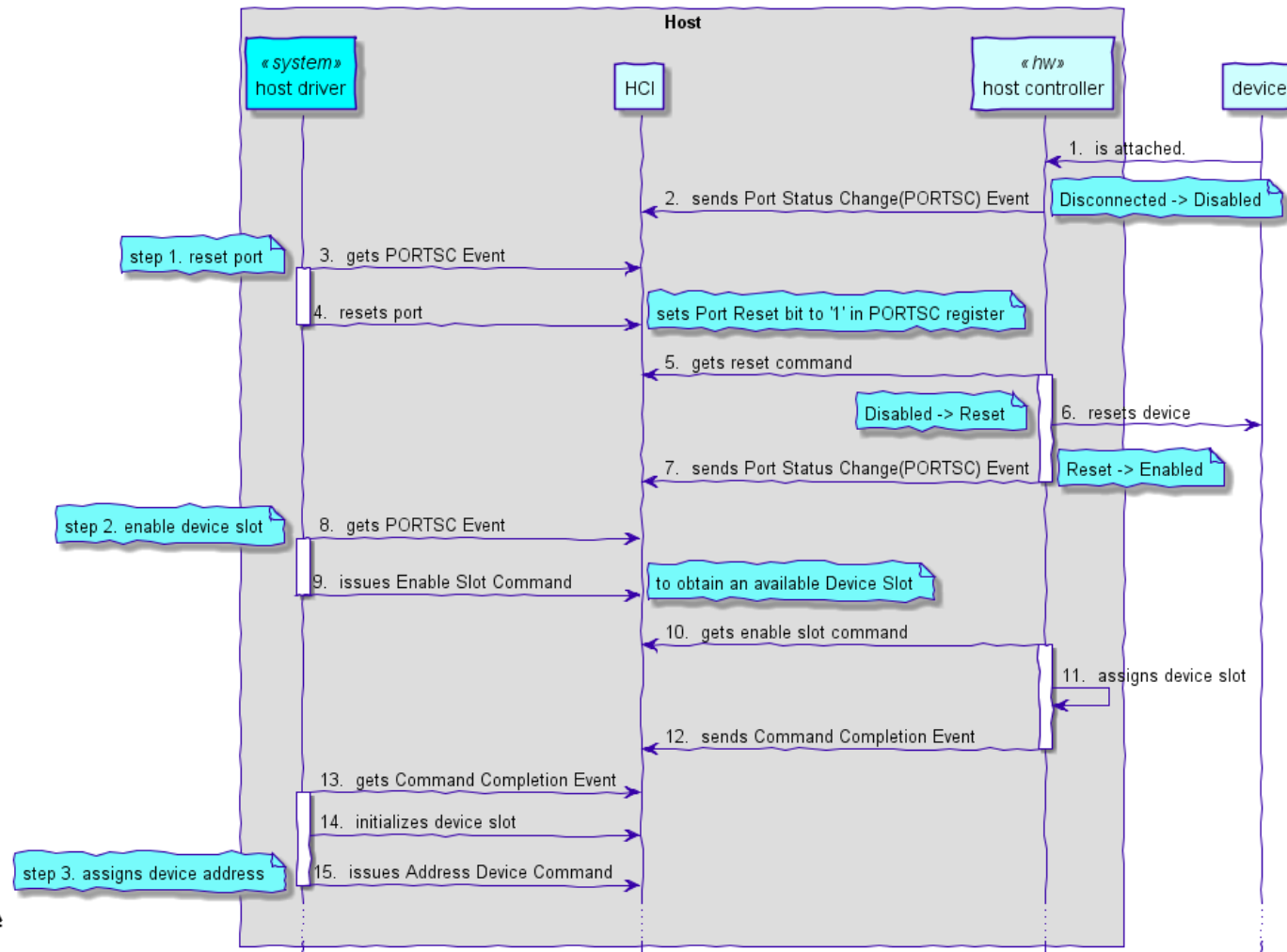


2. 기능 명세

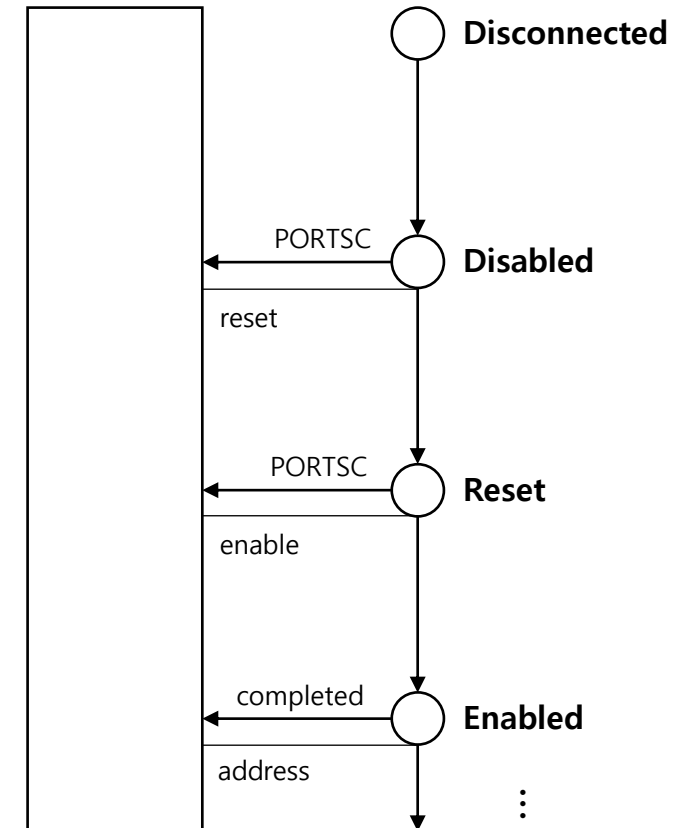


2. 기능 명세

UC_01. Enumerate Device

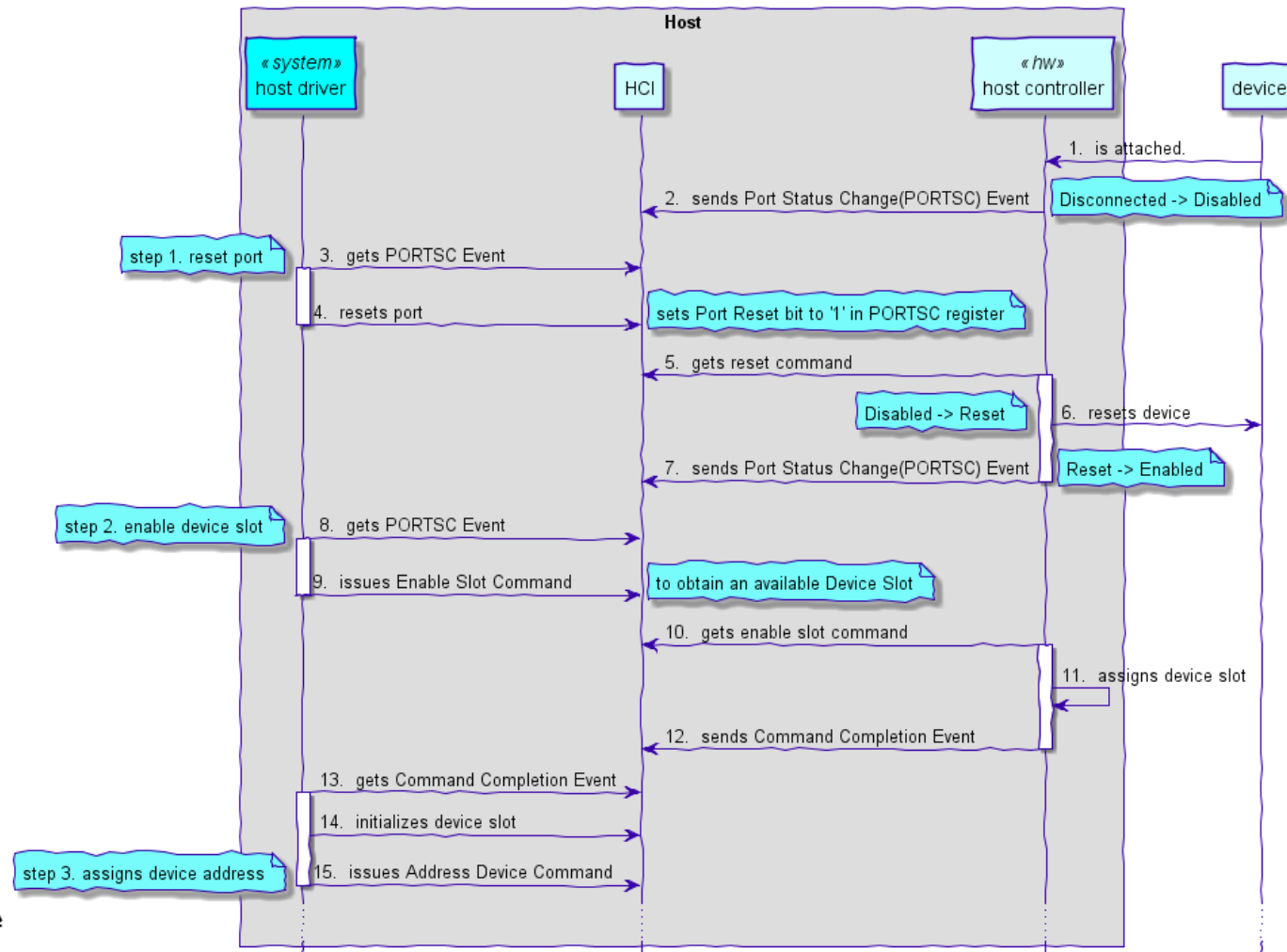


Design Concern - Device State Machine -

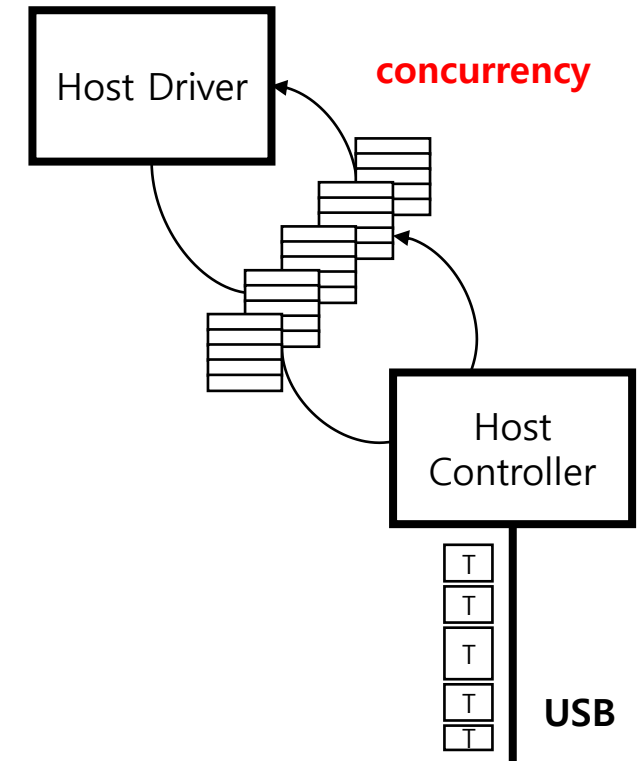


2. 기능 명세

UC_01. Enumerate Device



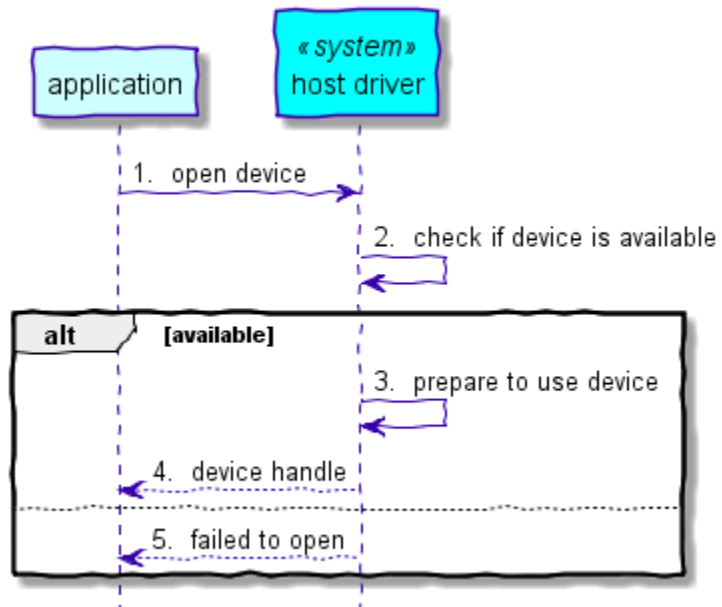
Design Concern
- Event Driven Architecture -



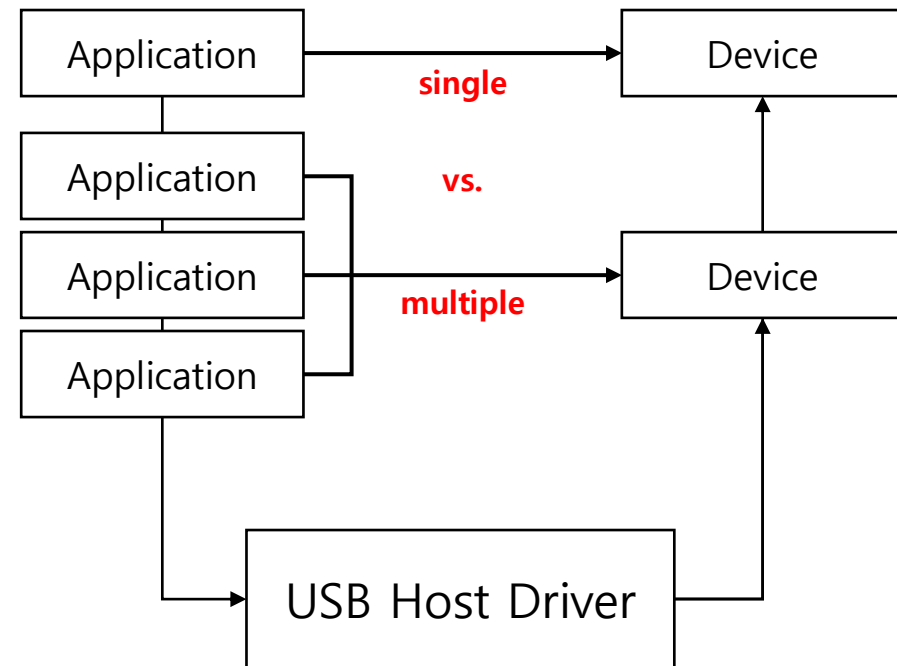
2. 기능 명세

UC_02. Open Device

UC_03. Close Device



Design Concern
- Ownership For Device -



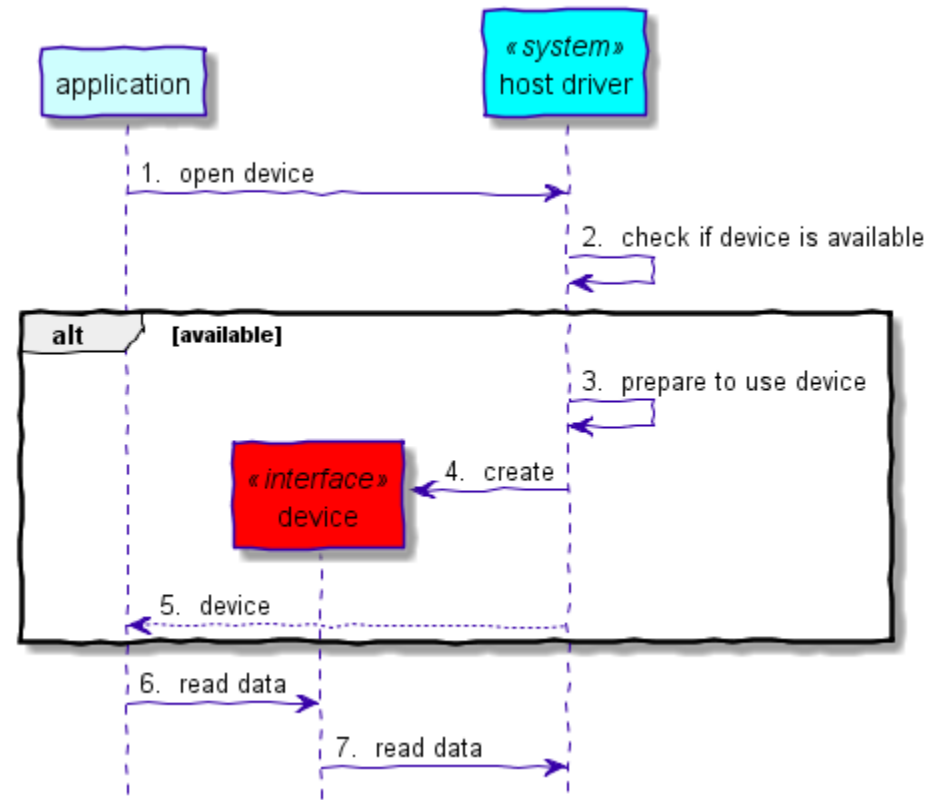
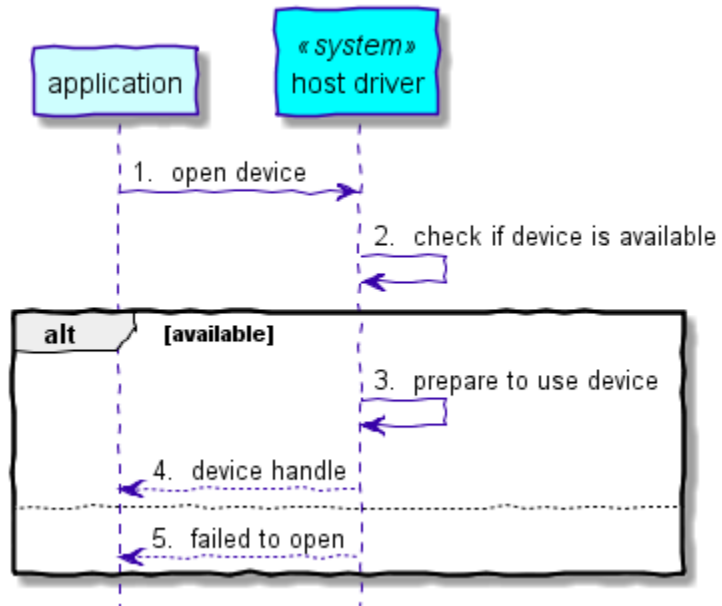
Requirement vs. Design Decision

2. 기능 명세

UC_02. Open Device

UC_03. Close Device

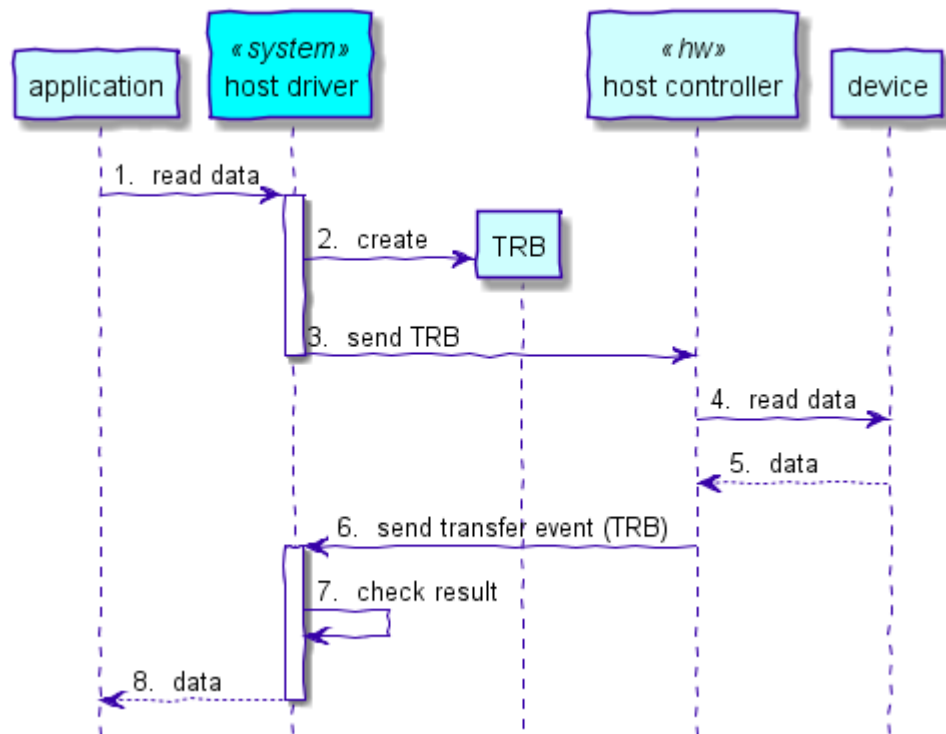
Design Concern
- API to Device -



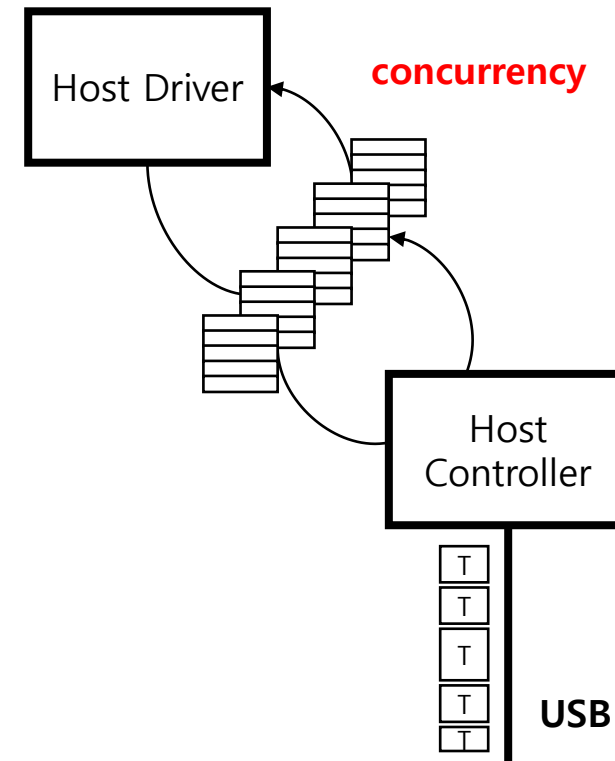
2. 기능 명세

UC_04. Read Data

UC_05. Write Data



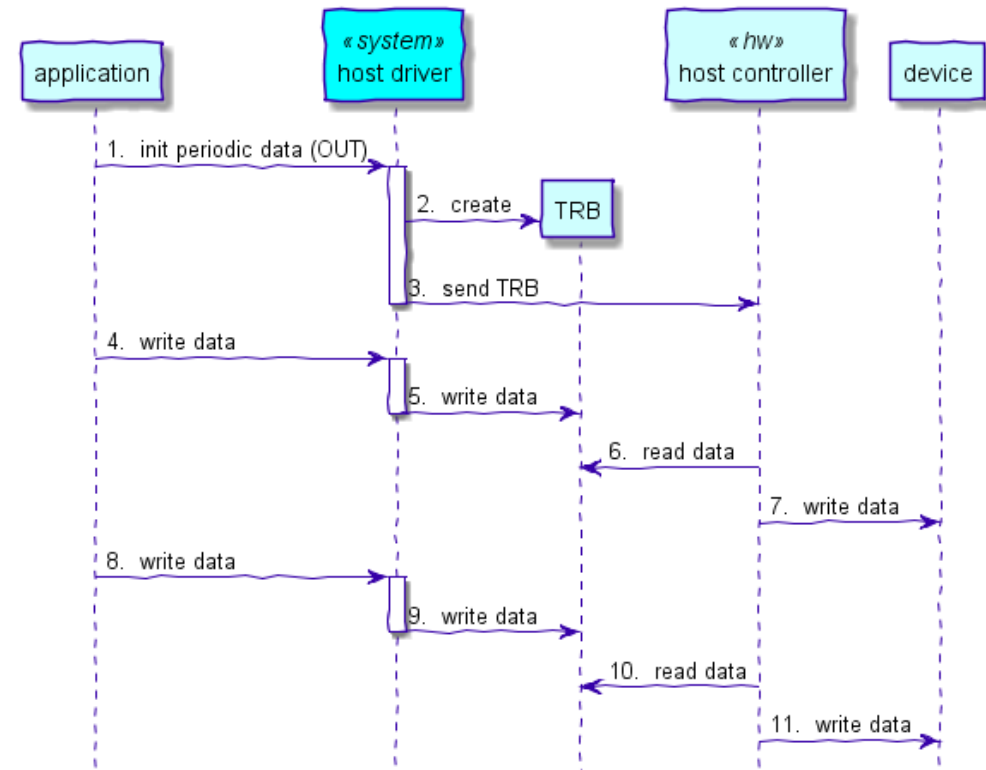
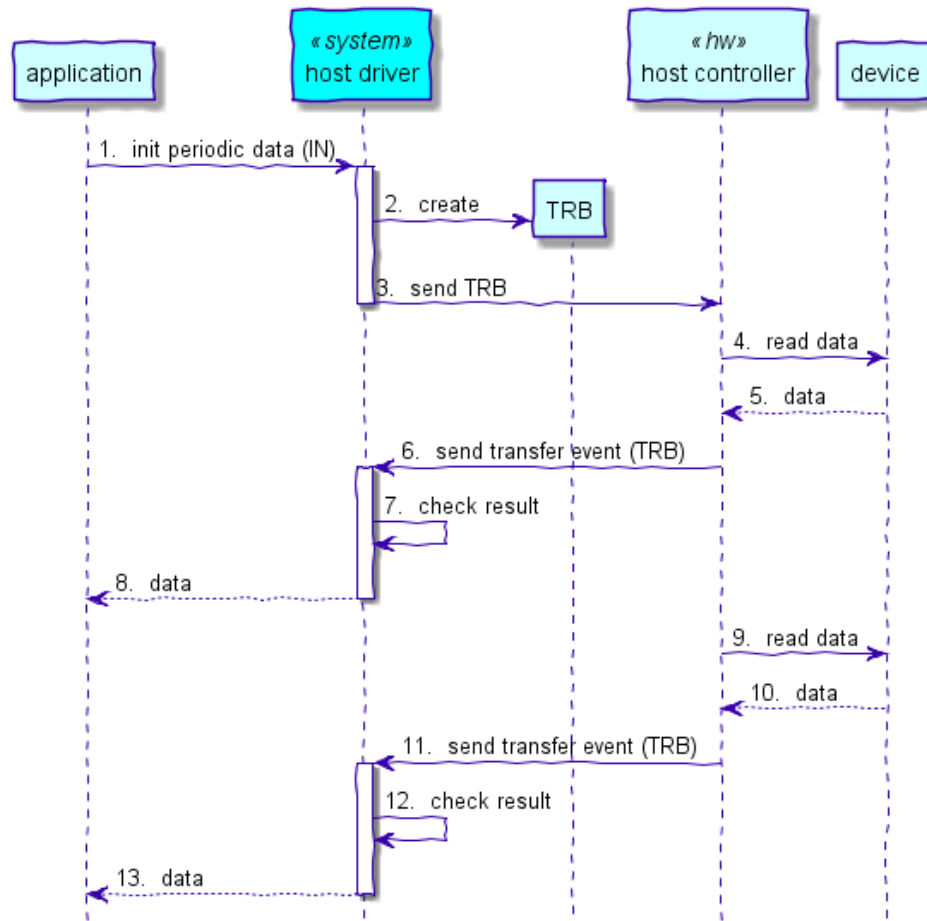
Design Concern
- Event Driven Architecture -



2. 기능 명세

UC_06. Read Periodic Data

UC_07. Write Periodic Data



- 도메인 모델 -

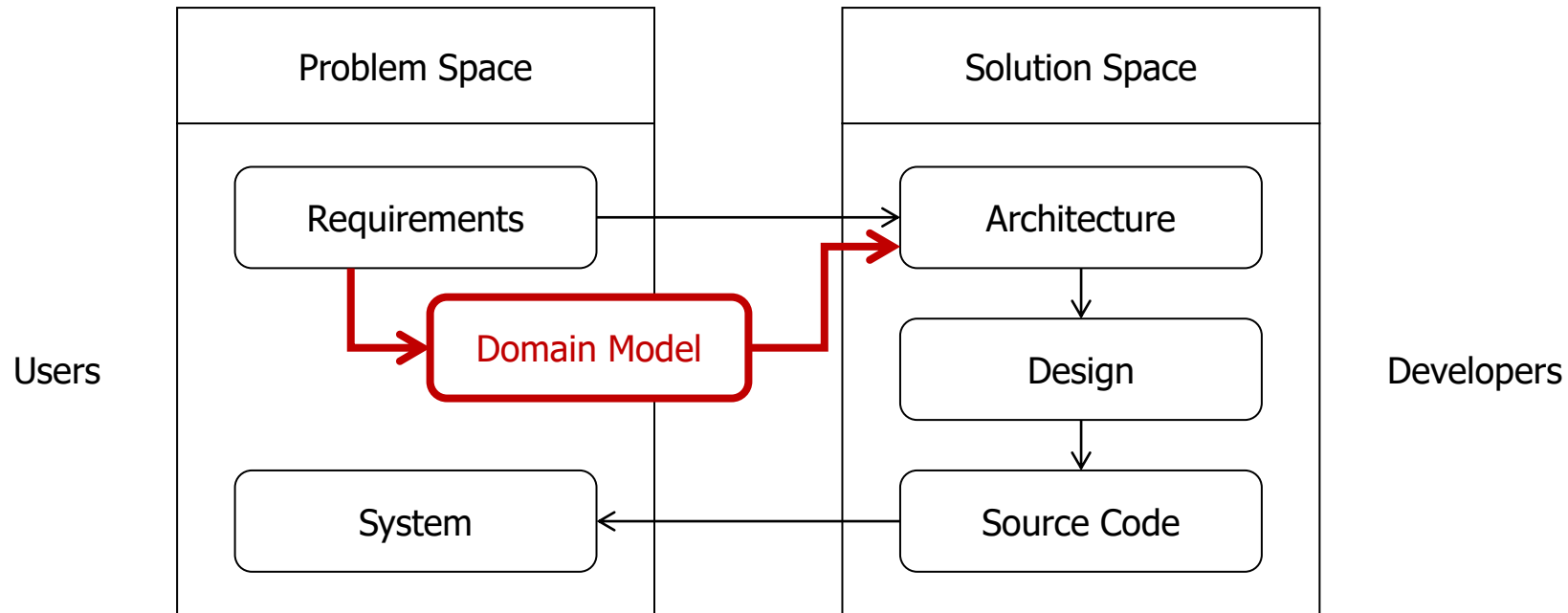
USB Host Driver

조 용 진

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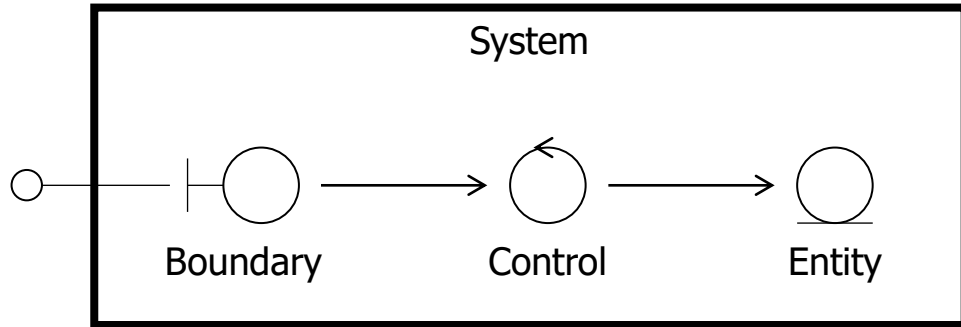
도메인 모델

Domain Model is a conceptual model for understanding functional requirements.



도메인 모델

Entity-Control-Boundary Pattern



The outside of the system collaborates with boundaries only.

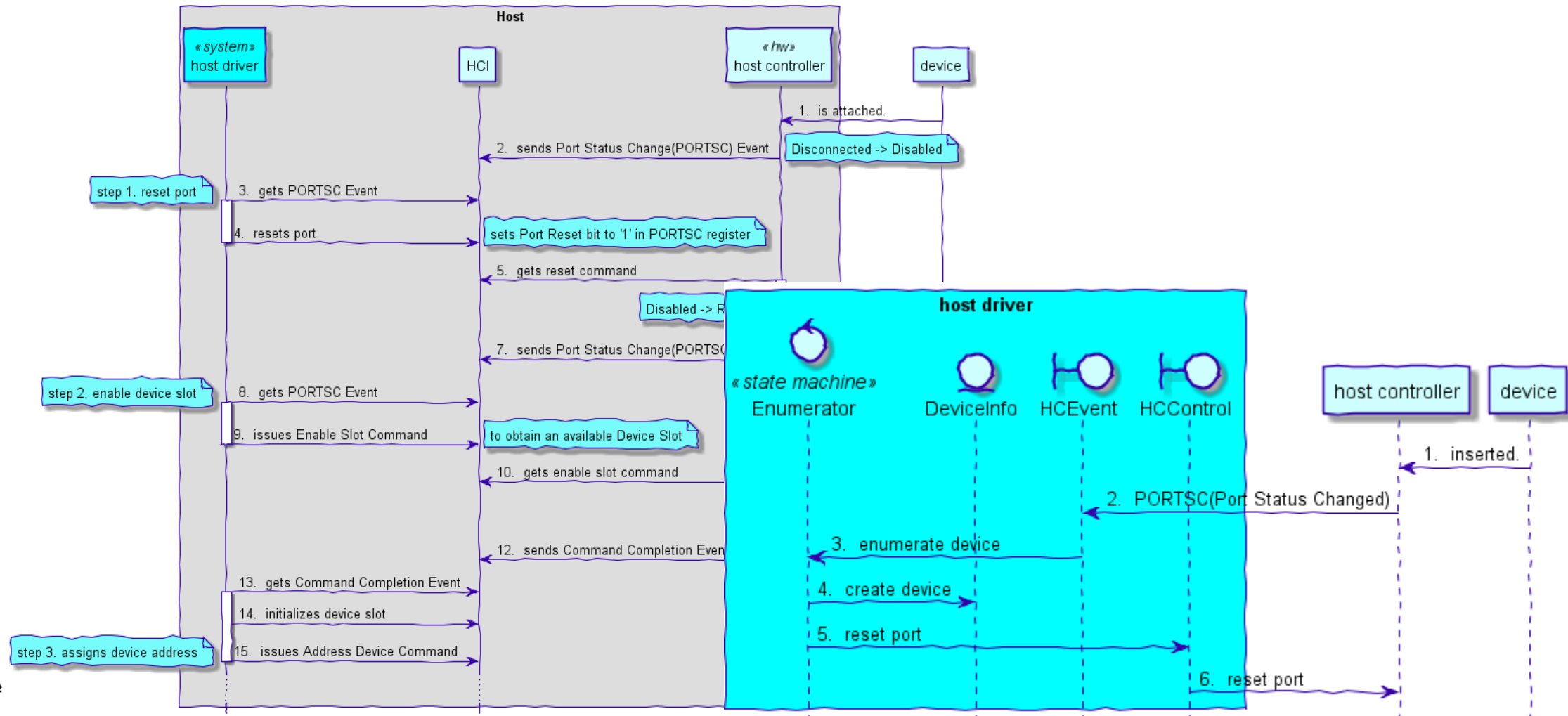
Entity has only attributes (+get/set/find methods).

Entities are only accessed by control.

Control has only operators.

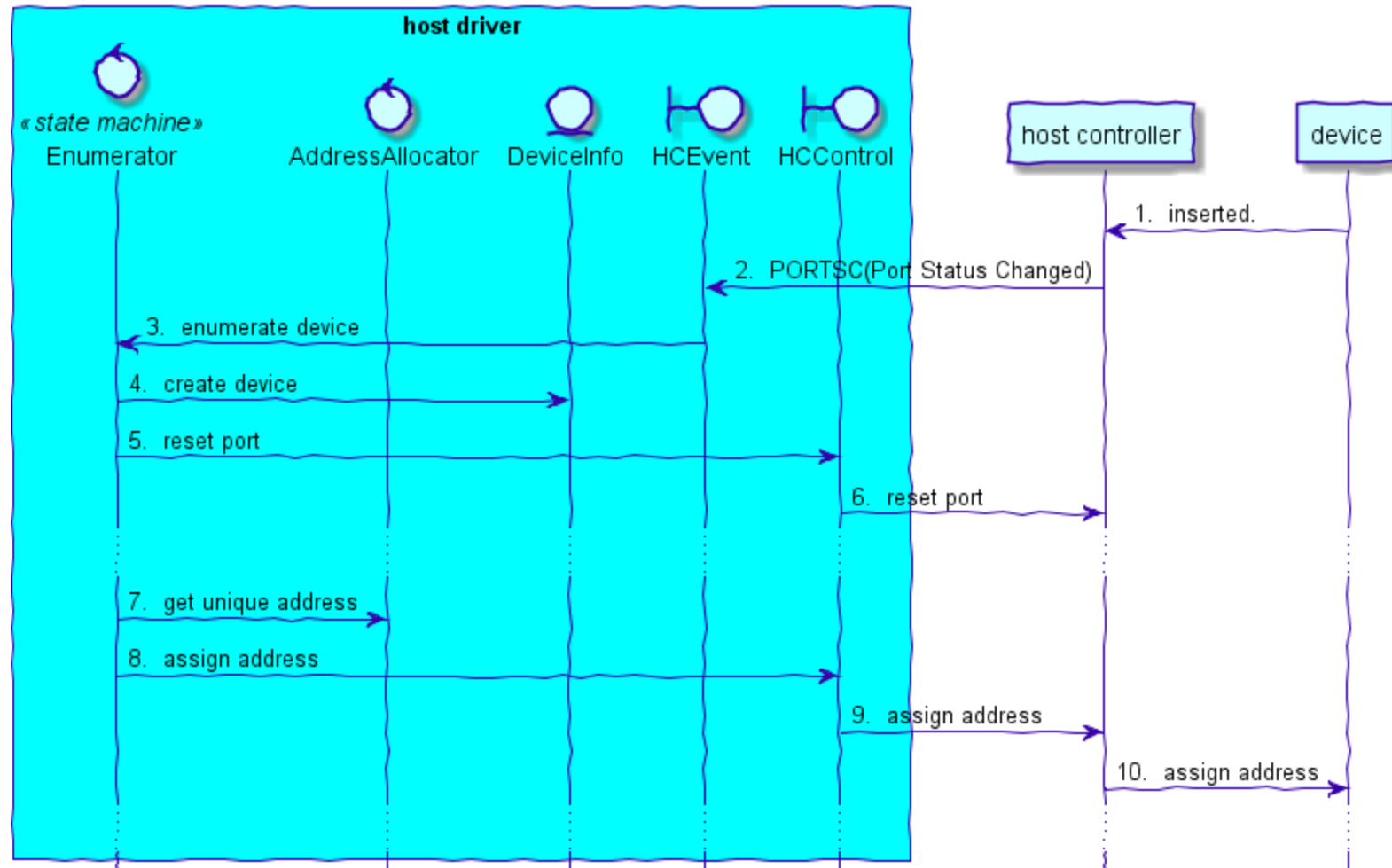
3. 기능 분석 → 도메인 모델

UC_01. Enumerate Device



3. 기능 분석 → 도메인 모델

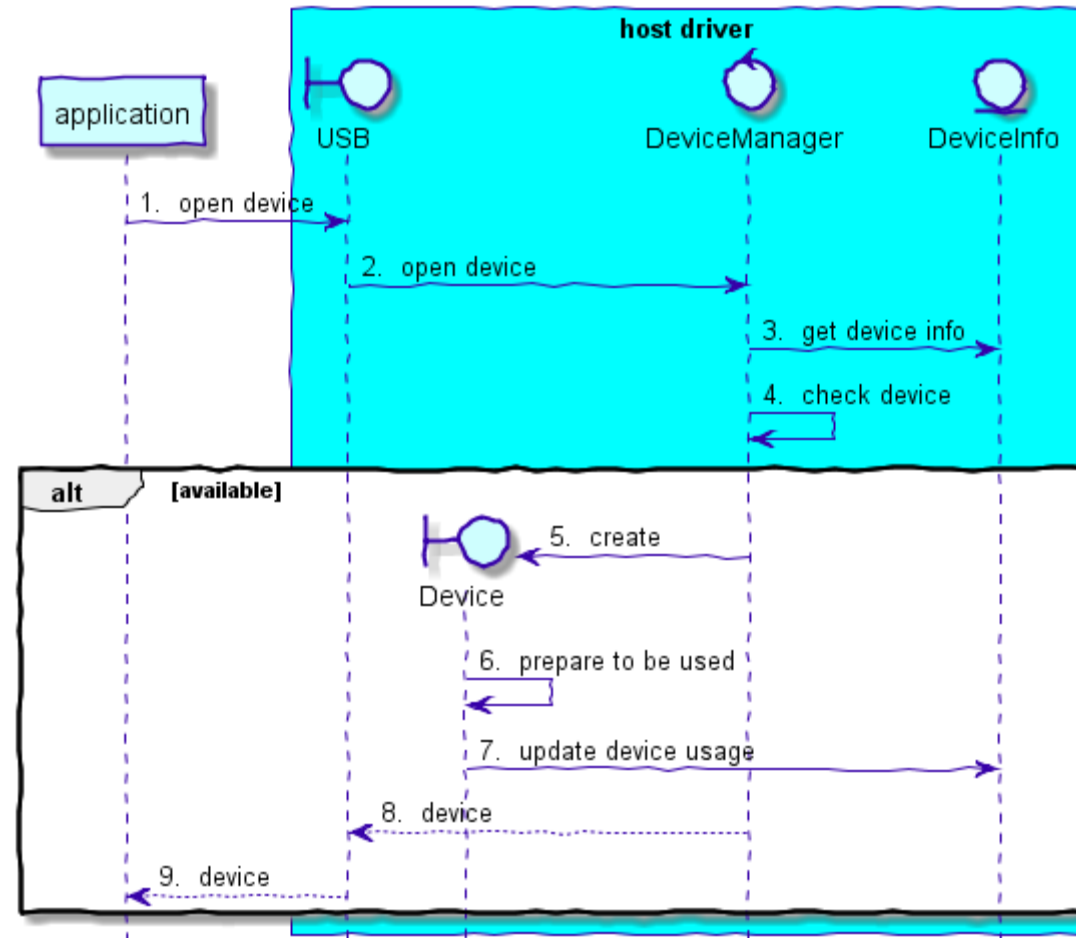
UC_01. Enumerate Device



3. 기능 분석 ➔ 도메인 모델

UC_02. Open Device

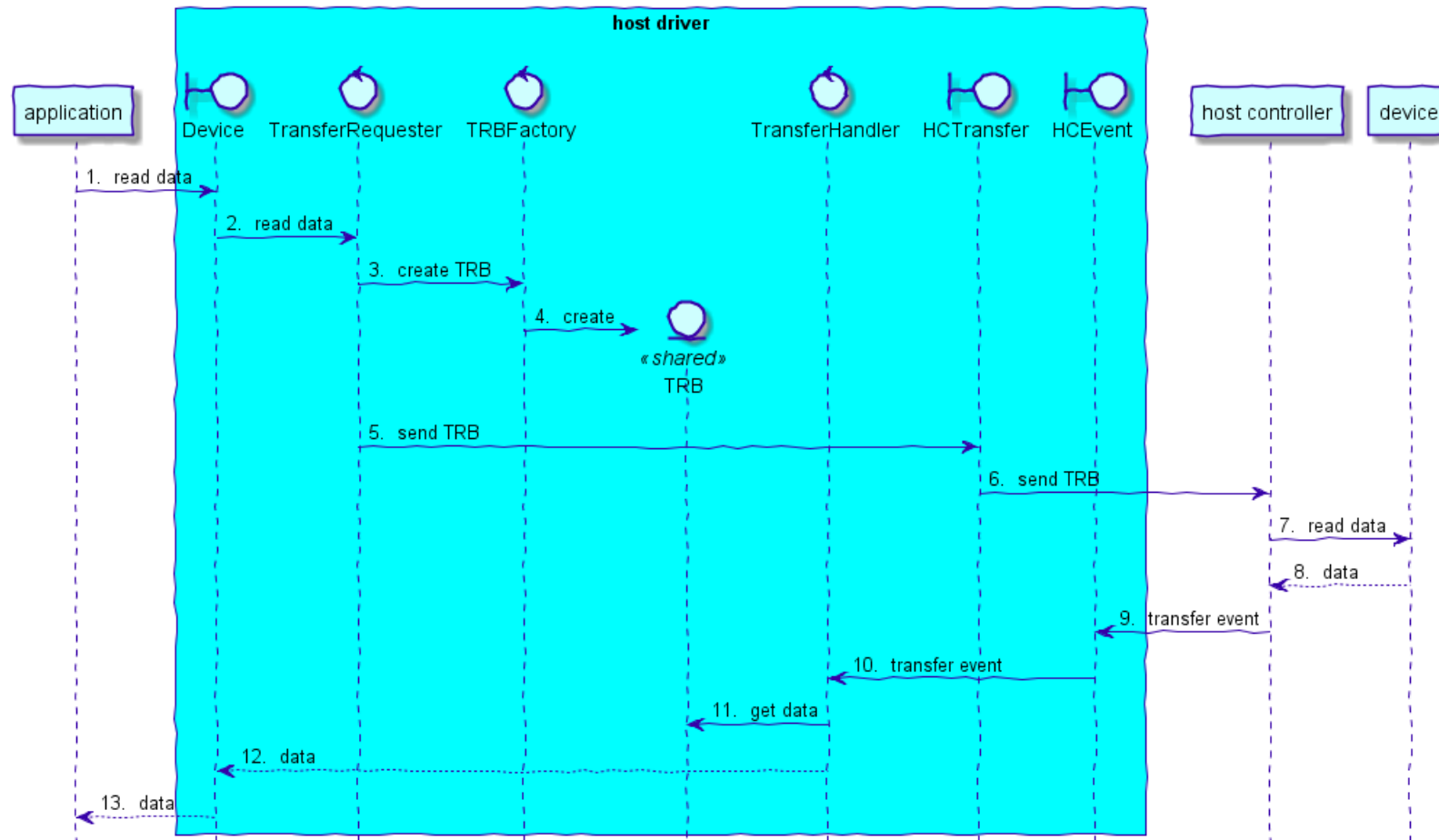
UC_03. Close Device



3. 기능 분석 ➔ 도메인 모델

UC_04. Read Data

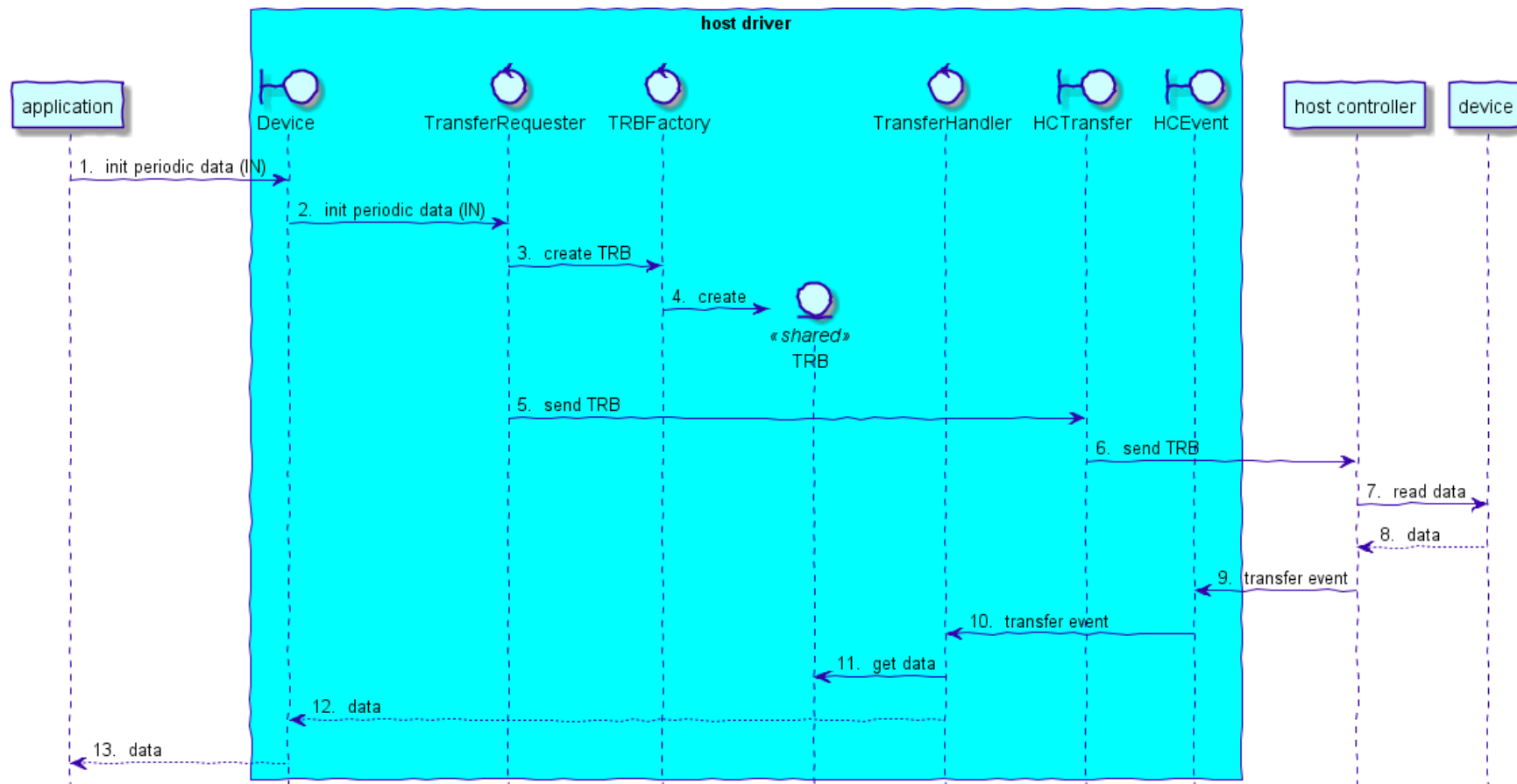
UC_05. Write Data



3. 기능 분석 → 도메인 모델

UC_06. Read Periodic Data

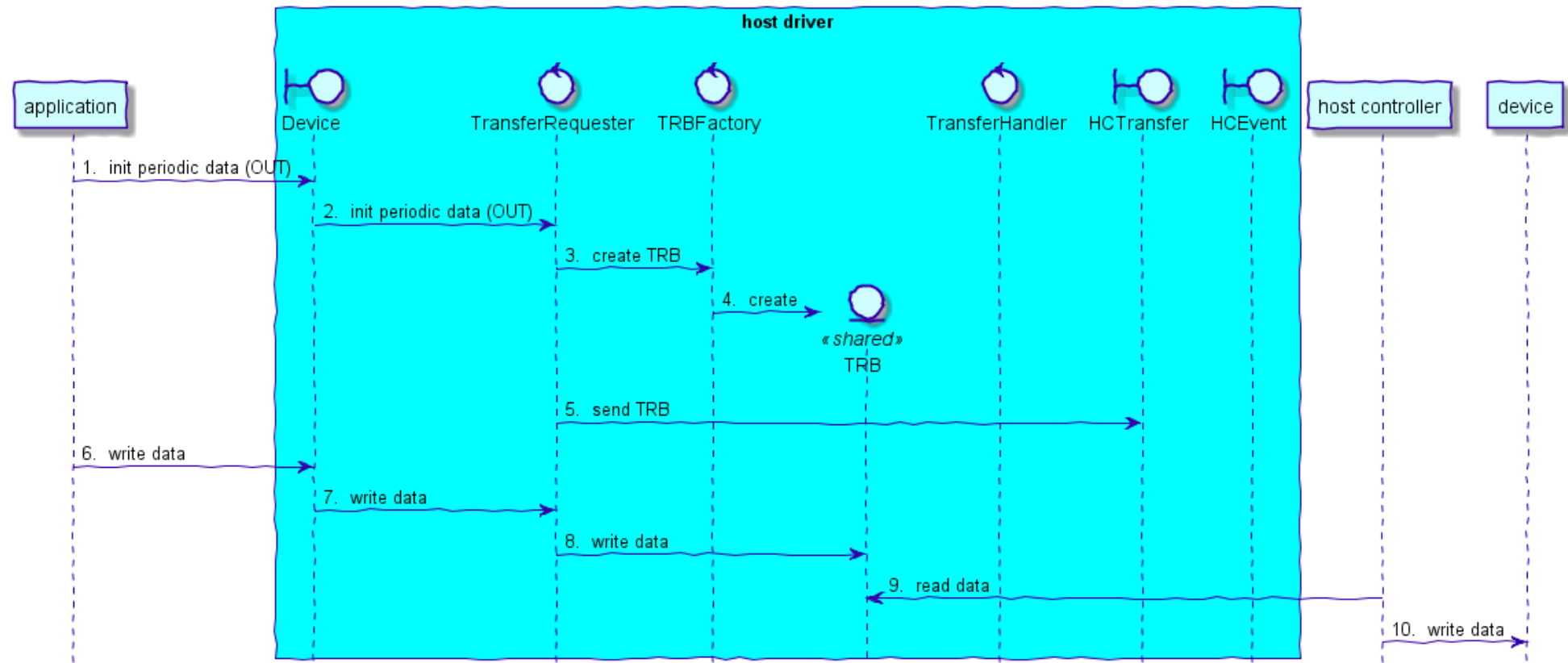
UC_07. Write Periodic Data



3. 기능 분석 → 도메인 모델

UC_06. Read Periodic Data

UC_07. Write Periodic Data



3. 기능 분석 → 도메인 모델

도메인 모델

