

Document

Project: POJO HTTP Data  
Title: Fillable\_Object\_Adapter Type  
State Diagram  
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Repo:  
https://github.com/911992/WAsys\_pojo\_http\_data  
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Meta Legends

X

On-page reference

Version History

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This UML State Machine Diagram illustrates the lifecycle of a `Fillable_Object` through various states and transitions.

**States:**

- Unfilled (reset-state):** Initial state where the object is uninitialized. Associated with a table containing:
  - `entity_ins: Fillable_Object`
  - `object_field_result := null`
  - `last_known_priority_fields_fill := null`
- Filling State (field-by-field):** A composite state representing the process of filling the object. It contains a sub-state *User Custome Filling (if any)*. Associated with a table containing:
  - `entity_ins: Fillable_Object`
  - `object_field_result := null`
  - `last_known_priority_fields_fill := «vary»(not null)`
- Filled State Ok (all fields as expected):** Reached when all fields are filled correctly. Associated with a table containing:
  - `entity_ins: Fillable_Object`
  - `object_field_result := NOT(.Ok | .Ok_Missed_Values)`
  - `last_known_priority_fields_fill := NOT(.Ok | .Ok_Missed_Data)`
- Filled State Failed (Failed field(s) set):** Reached when one or more fields fail to fill. Associated with a table containing:
  - `entity_ins: Fillable_Object`
  - `object_field_result := .Ok | .Ok_Missed_Values`
  - `last_known_priority_fields_fill := .Ok | .Ok_Missed_Data`
- User Using State:** A final state where the user interacts with the filled object.

**Transitions:**

- Start:** An initial arrow leads to the **Unfilled** state.
- Transition A:** An orange circle labeled **A** triggers a transition from **Unfilled** to **Filling State**.
- Internal Transitions:** Within the **Filling State**, a dashed arrow labeled **{OR}** leads to either **Filled State Ok** or **Filled State Failed**.
- Transition B:** A cyan circle labeled **B** triggers a transition from **Filled State Ok** to a final state (represented by a bullseye).
- Transition B:** A cyan circle labeled **B** also triggers a transition from **Filled State Failed** to the same final state.
- Reusing:** A transition labeled **«reusing»** leads from the **User Using State** back to the **Unfilled** state, triggered by an orange circle labeled **A**.