

MEGaMeRt

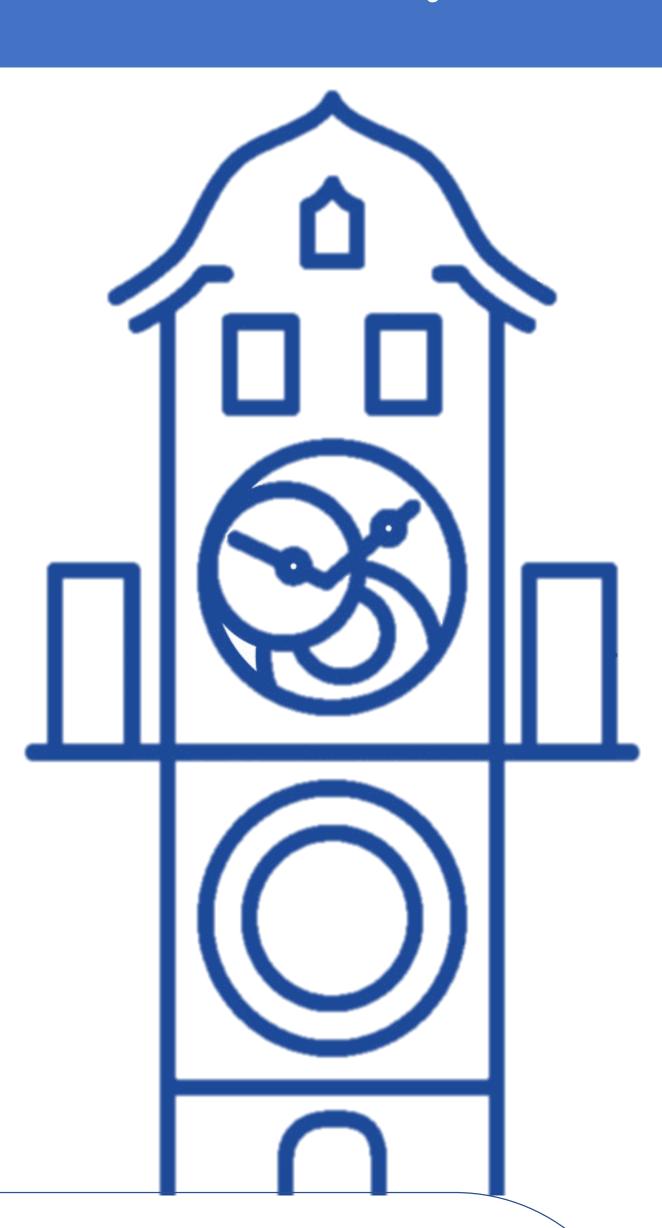
Code generation for the PauWare API from UML state machine models



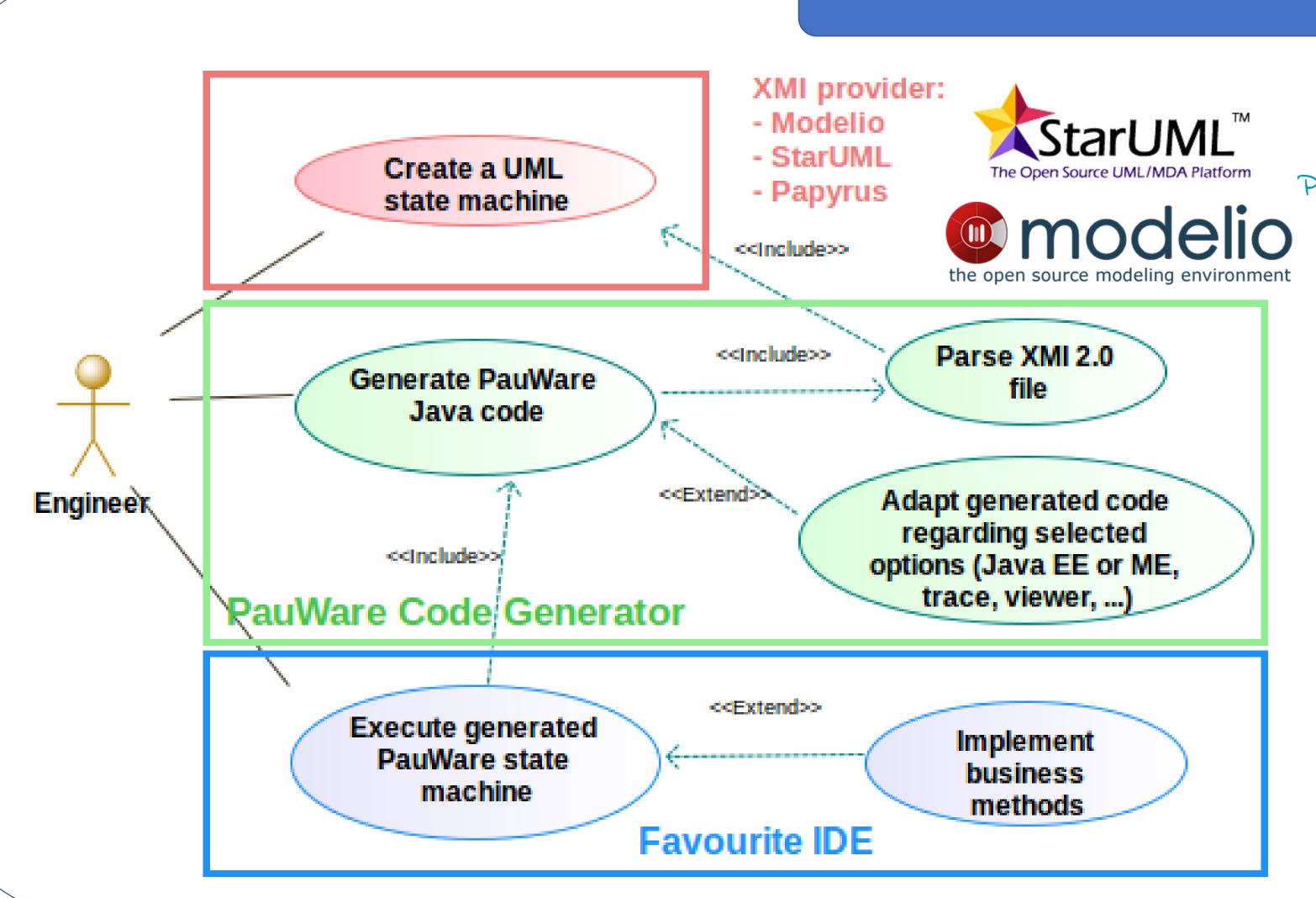
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* PauWar

- ❖ PauWare is a Java API that permits to implement state machines.
- ❖ PauWare also provides an execution engine that fires transitions through events and deals with the notion of business methods.

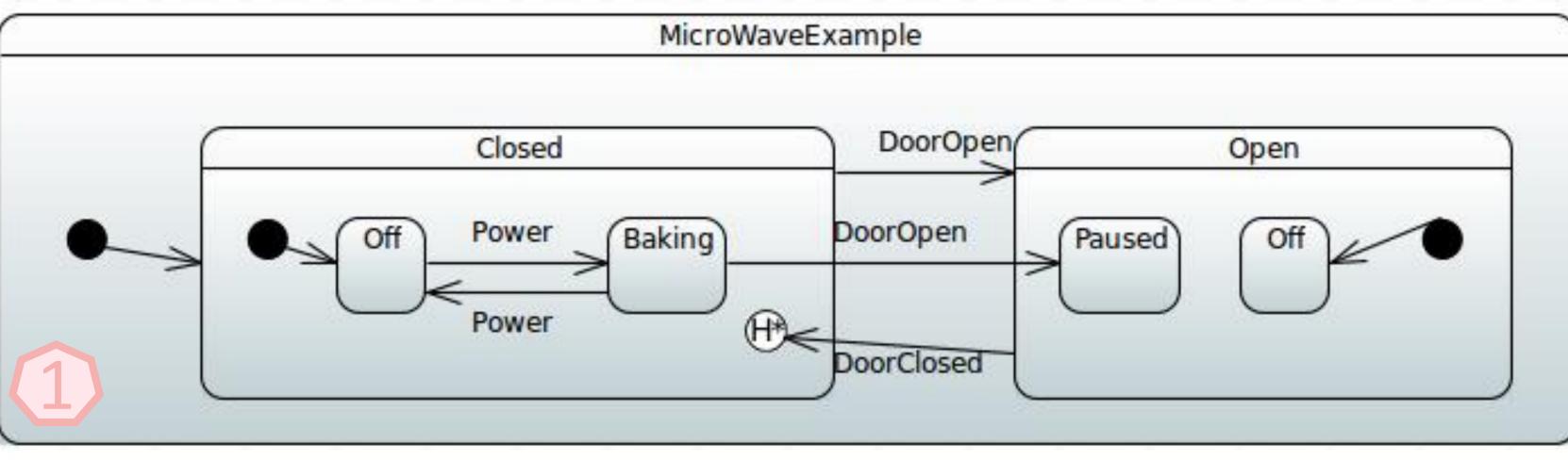


Tool



- Once the user has created his/her UML state machine, he/she doesn't need to recreate it in Java
 - > Productivity and time gain
 - > Generated execution engine
- **Continuous development:**
 - Code generation implies design = runtime

Results



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public class MicroWaveExample {
 // State Machine
 protected AbstractStatechart_monitor _MicroWaveExample;

 // States
 protected AbstractStatechart _Closed;
 protected AbstractStatechart _Off_in_Region1_in_Closed;
 protected AbstractStatechart _Baking_in_Region1_in_Closed;
 protected AbstractStatechart _Open;
 protected AbstractStatechart _Paused_in_Region1_in_Open;
 protected AbstractStatechart _Off_in_Region1_in_Open;
 protected AbstractStatechart _Off_in_Region1_in_Open;

private void initialize_SM() throws Statechart_exception {
 _Off_in_Region1_in_Closed = new Statechart("Off_in_Region1_in_Closed")
 _Off_in_Region1_in_Closed.inputState();
}





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