# Week 17-18 (10 h)

TODO

1. Rename:

IDataEventMap -> IDataEvent2EventMap

IStateEventMap -> IState2EventMap

1. PipModel jUnit tests
2. Rename Actions to Events in PipCore

Done:

1. instantiateProcess method fixed to use process name
2. Do a research on dynamic class loading in Java
3. Create a table in an embedded derby database to story the info about ActionHandler definitions
4. Extract a jar file and traverse only class and java files
5. Store jar file in the database

Notes:

You can specify the database location by defining programmatically property **derby.system.home**.

Overall idea:

Create custom class loader

On PIP startup, class loader reads the database entries which are marked as current.

Class is loaded only if needed (when an actual event is received).

On class definitions update, the changes are saved to the database and the class loader is updated too.

Database is used for persistence, to maintain the class definitions between two runs of PIP.