## Add a new (differentials equation ~~formula~~

✓ M 4PP

Actor: Modeller

Story: When the user ~~has~~ is in an existing ~~pro~~ model, the user can add a new DE to the current model.

## Show ~~model parts~~ state variable

✓ S 3PP

list of states ~~and parameters~~ with formulas

## Add a pool ~~to~~ the model:

✓ C 2PP

"Add a ~~storage-term / state~~ variable ~~to~~ the model, ~~this is part~~ pool in which: can be mass / volume, concentration or more abstract"

User: Modeller

Precondition: - Model exists.

state variables

~~not~~ diagram pools

## Save ~~to~~ the model

✓ M 3PP

Modeller: the model including equations and ~~parameters~~ default parameters should be able to be saved.

task: format 2P
task: saving 1P

## Start new model

✓ M 1PP

the modeller should be able to create an empty model.

still:
- get formulas from ode
- get states from ode
- get parameters from ode

## Saving Experiments

✓ S 2PP

~~Saving~~ the experimenter can save his parameters that he has defined for a certain experiment using a certain model.

task: define format 1PP
task: actual saving 1PP

## Open saved model

✓ M 1PP

Modeller: Saved models should be able to be opened in the program.

(assuming format defined)

## Load Experiment ~~/ Compare~~

✓ S 1PP

by Viewer, if you want to compare two different models, the results (experiment) can be loaded in.