1. Goal: to place a pump/sink on a grid.

Actor: user

Pre: There are some elements on the grid

MSS:

1. User picks a pump/sink
2. User clicks on the grid
3. System places the pump/sink on the grid

Ext:

2.1 User place pump/sink overlapping each other, system show an error message.

1. Goal: to place connections between gates.

Actor: User

Pre: there are some gates on the grid already

MSS:

1. User choice line button
2. User click once on one gate
3. User click on another gate
4. System make the connection between them

Ext:

1. Goal: to remove gate. (all connections connected to this gate removed too)

Actor: User

Pre: there are some gates on the gird and some connections between gates

MSS:

1. User choice one gate
2. User click remove button to remove this gate
3. System remove this gate
4. System remove the connections connected to this gate

Ext:

1. Goal: to remove connections.

Actor: User

Pre: there are some gates on the gird and some connections between gates

MSS:

1. User choice one connection
2. User click remove button to remove this connection
3. System remove this connection

Ext: