Activity Solution

lockSafe() [key
removed] / lock safe

Panel
Closed

closePanel() [door
closed and lock button
pressed] / close panel

Locked

validatePasswordl(...)
[correct] / open door

Open

validatePasswordl(...)
[correct] / open door

openPanel() [key
inserted] / open panel

Panel
Revealed

Alarm

validatePasswordl(...)
[incorrect] / raise alarm