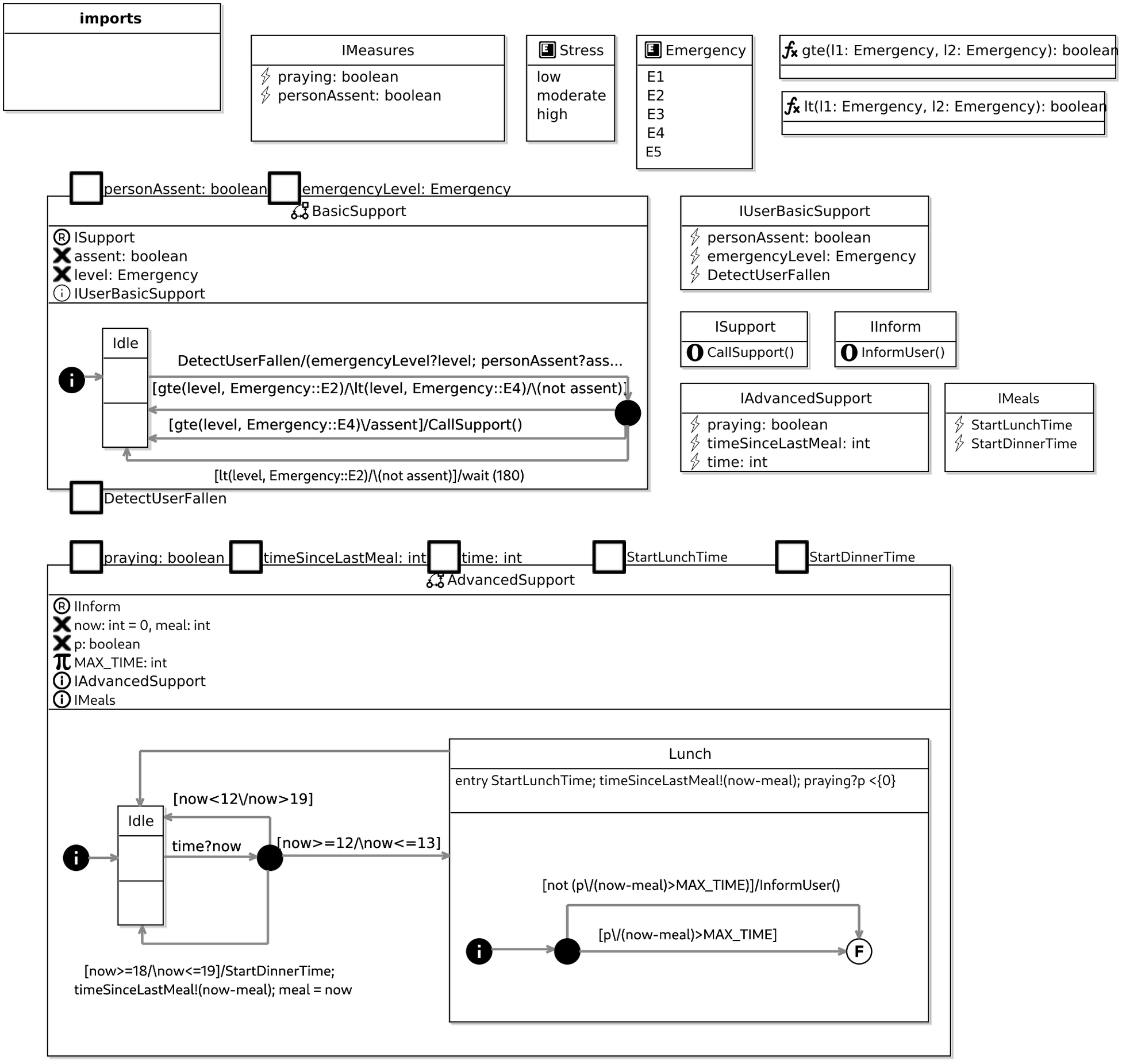
imports
IMeasures
praying: boolean
personAssent: boolean
Stress
low
moderate
high
Emergency
E1
E2
E3
E4
E5
gte(l1: Emergency, l2: Emergency): boolean
lt(l1: Emergency, l2: Emergency): boolean
personAssent: boolean
emergencyLevel: Emergency
BasicSupport
ISupport
assent: boolean
level: Emergency
IUserBasicSupport
Idle
DetectUserFallen/(emergencyLevel?level; personAssent?ass...
[gte(level, Emergency::E2)/\lt(level, Emergency::E4)/\(not assent)]
[gte(level, Emergency::E4)\/assent]/CallSupport()
[lt(level, Emergency::E2)/\(not assent)]/wait (180)
DetectUserFallen
IUserBasicSupport
personAssent: boolean
emergencyLevel: Emergency
DetectUserFallen
ISupport
CallSupport()
IInform
InformUser()
IAdvancedSupport
praying: boolean
timeSinceLastMeal: int
time: int
IMeals
StartLunchTime
StartDinnerTime
praying: boolean
timeSinceLastMeal: int
time: int
StartLunchTime
StartDinnerTime
AdvancedSupport
IInform
now: int = 0, meal: int
p: boolean
MAX_TIME: int
IAdvancedSupport
IMeals
Idle
[now<12\/now>19]
time?now
[now>=12/\now<=13]
[now>=18/\now<=19]/StartDinnerTime;
timeSinceLastMeal!(now-meal); meal = now
Lunch
entry StartLunchTime; timeSinceLastMeal!(now-meal); praying?p <{0}
[not (p\/(now-meal)>MAX_TIME)]/InformUser()
[p\/(now-meal)>MAX_TIME]
F