Membre du groupe:

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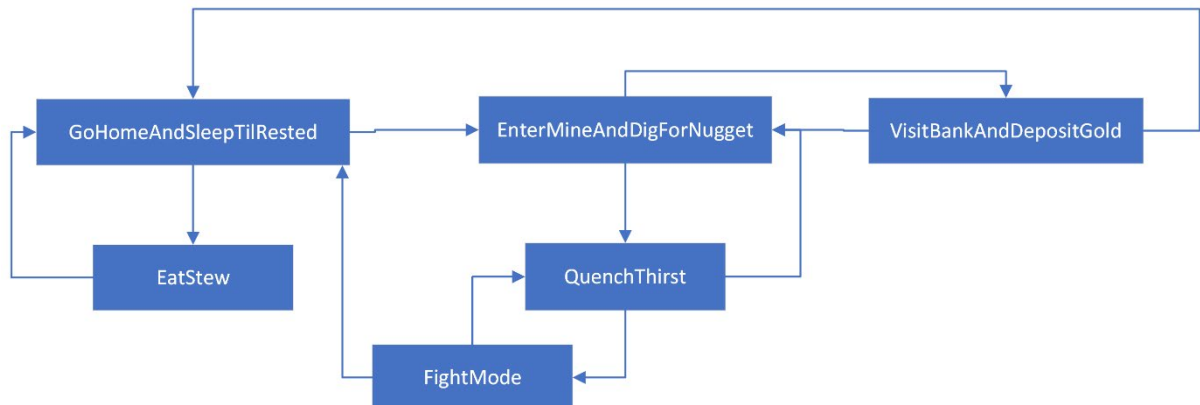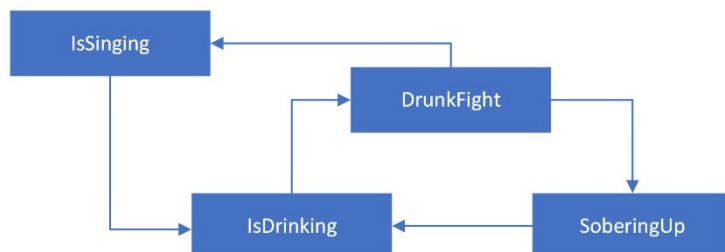## Diagramme d'état-transition de la nouvelle machine d'états de l'agent Bob (Miner)

Diagramme d'états-transition de l'agent-soulard (DrunkMan)

Code source :

Disponible dans le zip code_source_devoir_1.zip

Exécutable :

code_source_devoir_1\Buckland_Chapter2-State
Machines\WestWorldWithMessaging\Debug\WestWorldWithMessaging.exe

SnapShots:

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Miner Bob: All mah fatigue has drained away. Time to find more gold!
Miner Bob: Walkin' to the goldmine
Elsa: Walkin' to the can. Need to powda mah pretty li'lle nose
Elsa: Ahhhhhh! Sweet relief!
Elsa: Leavin' the Jon
Elsa: Time to do some more housework!
Drunk Claudius: Drinkin' som' beer !
Miner Bob: Pickin' up a nugget
Elsa: Washin' the dishes
Drunk Claudius: Drinkin' som' beer !
Elsa: Makin' the bed
Miner Bob: Pickin' up a nugget
Drunk Claudius: Drinkin' som' beer !
Elsa: Moppin' the floor
Miner Bob: Pickin' up a nugget
Miner Bob: Ah'm leavin' the goldmine with mah pockets full o' sweet gold
Miner Bob: Goin' to the bank. Yes siree
Drunk Claudius: Drinkin' som' beer !
Elsa: Washin' the dishes
Miner Bob: Depositing gold. Total savings now: 3
Miner Bob: Leavin' the bank
Miner Bob: Walkin' to the goldmine
Drunk Claudius: Drinkin' som' beer !
Elsa: Makin' the bed
Miner Bob: Pickin' up a nugget
Miner Bob: Ah'm leavin' the goldmine with mah pockets full o' sweet gold
Miner Bob: Boy, ah sure is thusty! Walking to the saloon
Drunk Claudius: Drinkin' som' beer !
Drunk Claudius: Think i'm gettin' drunk man !
Drunk Claudius: Who wants to get these damn hands ?
Instant telegram dispatched at time: 4.404 by Drunk Claudius for Miner Bob. Msg is FightMessage not handled
Elsa: That's mighty fine sippin' liquer
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Miner Bob: Ah'm leavin' the goldmine with mah pockets full o' sweet gold
Miner Bob: Boy, ah sure is thusty! Walking to the saloon
Drunk Claudius: Ready to kick some ass ! *burp*
Message handled by Miner Bob at time: 8.421000
Miner Bob: Leaving the saloon, feelin' good
Miner Bob: I bet you can't tell skunks from house cats!
Instant telegram dispatched at time: 8.808 by Miner Bob for Drunk Claudius. Msg is WinFight
Instant telegram dispatched at time: 8.811 by Miner Bob for Elsa. Msg is HiHoneyImHome
Delayed telegram from Elsa recorded at time 8.813 for Elsa. Msg is StewReady
Elsa: Makin' the bed
Miner Bob: Take that, yellow belly!
Message handled by Drunk Claudius at time: 8.811000
Drunk Claudius: I beat his damn ass ! Time to shake some booties !
Drunk Claudius: Claudius stopped fighting.
Drunk Claudius: Yeeeeeehaaaaaa! Claudius starts dancing
Miner Bob: I'd better get some rest...
Miner Bob: Walkin' home
Message handled by Elsa at time: 8.812000
Elsa: Hi honey. Let me make you some of mah fine country stew
Elsa: Putting the stew in the oven
Drunk Claudius: If it hadn't been for Cotton-Eye Joe! I'd been married long time ago!
Drunk Claudius: Is da table tilted or is it ma legs ?? *falls*
Drunk Claudius: ZzZZzz...zzZzz...
Elsa: Puttin' the stew on the table
Elsa: Walkin' to the can. Need to powda mah pretty li'lle nose
Elsa: Ahhhhhh! Sweet relief!
Elsa: Leavin' the Jon
Miner Bob: ZZZZ...
Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Queued telegram ready for dispatch: Sent to Elsa. Msg is StewReady
Instant telegram dispatched at time: 10.872 by Elsa for Miner Bob. Msg is StewReady
Elsa: Puttin' the stew on the table
Elsa: Walkin' to the can. Need to powda mah pretty li'lle nose
Elsa: Ahhhhhh! Sweet relief!
Elsa: Leavin' the Jon
Miner Bob: ZZZZ...
Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Message received by Elsa at time: 10.872000
Elsa: StewReady! Lets eat
Message handled by Miner Bob at time: 10.875000
Miner Bob: Okay Hun, ahm a comin'!
Miner Bob: Smells Reaaal goood Elsa!
Elsa: Puttin' the stew on the table
Elsa: Time to do some more housework!
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Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Instant telegram dispatched at time: 16.821 by Miner Bob for Elsa. Msg is HiHoneyImHome
Delayed telegram from Elsa recorded at time 16.823 for Elsa. Msg is StewReady
Elsa: Makin' the bed
Miner Bob: Depositing gold. Total savings now: 6
Miner Bob: WooHoo! Rich enough for now. Back home to mah li'lle lady
Miner Bob: Leavin' the bank
Miner Bob: Walkin' home
Message handled by Elsa at time: 16.823000
Elsa: Hi honey. Let me make you some of mah fine country stew
Elsa: Putting the stew in the oven
Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Elsa: Fussin' over food
Miner Bob: ZZZZ...
Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Queued telegram ready for dispatch: Sent to Elsa. Msg is StewReady
Instant telegram dispatched at time: 18.929 by Elsa for Miner Bob. Msg is StewReady
Elsa: Fussin' over food
Miner Bob: ZZZZ...
Drunk Claudius: Zzz.. That is a big sheep..zzZ...
Drunk Claudius: Argh... Ma goddamn jaw hurts...
Drunk Claudius: Let's drink !
Message received by Elsa at time: 18.929000
Elsa: StewReady! Lets eat
Message handled by Miner Bob at time: 18.930000
Miner Bob: Okay Hun, ahm a comin'!
Miner Bob: Smells Reaaal goood Elsa!
Elsa: Puttin' the stew on the table
Elsa: Time to do some more housework!
Elsa: Moppin' the floor
Miner Bob: Tastes real good too!
Miner Bob: Thankya li'lle lady. Ah better get back to whatever ah wuz doin'
Drunk Claudius: Drinkin' som' beer !
Elsa: Moppin' the floor
Miner Bob: All mah fatigue has drained away. Time to find more gold!
Miner Bob: Walkin' to the goldmine
Drunk Claudius: Drinkin' som' beer !
Elsa: Makin' the bed
Miner Bob: Pickin' up a nugget
Miner Bob: Ah'm leavin' the goldmine with mah pockets full o' sweet gold
Miner Bob: Boy, ah sure is thusty! Walking to the saloon
Drunk Claudius: Drinkin' som' beer !
Elsa: Makin' the bed
Miner Bob: That's mighty fine sippin' liquer
Miner Bob: Leaving the saloon, feelin' good
Miner Bob: Walkin' to the goldmine
Drunk Claudius: Drinkin' som' beer !
Elsa: Washin' the dishes
Miner Bob: Pickin' up a nugget
Drunk Claudius: Drinkin' som' beer !
Elsa:  has ended !
Miner Bob:  has ended !
Drunk Claudius:  has ended !

        All entities have ended
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Nouvelles fonctionnalités:

- ajout de Claudius le Drunkman

- une classe DialogApp qui s'occupe des threads (3 pour les entités et 1 pour la synchronisation)

- une classe MessagesManagerClass instanciée sous le nom MessagesManager qui s'occupe de manager les messages et de les afficher (via le thread de synchronisation)