Multi-Agent based Mobile Educational Game for On-the-Job Training

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Summary

(1) The proposed game's multi-agent architecture makes itself easy to maintain and to expand, also, reduces computing power consuming due to not all agents will be needed at same time.

(2) Agents' collaboration increase the system flexibility and can make the game keep working under some situations.

- (no server connection, no GPS signal, and different platforms)
- (3) Mobile educational game improve the learning process of the on-job-training environment.

Future Works

- (1) More funs: Learning activities chain à Storylines (Storyteller agent)
- (2) Reward machines: Gold or experiences accumulation to motivate user keep playing.
- (3) current system + Story + Role play à Context-awareness Mobile Role-playing Game.



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