

Virtual Training in an Artificial Intelligence Environment

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Create a supplemental learning tool for nursing students that

•Editable patient charts with full history and symptoms

•Opensim - Engine used for the simulation

Purpose

provides:

Problem solving scenarios

Object

Review guestions

Methods (software)

•Hamachi - VPN



Abstract

Virtual Simulations provide several advantages such as allowing students to practice with less stress and risk than if they were performing the actual process. Students are also able to practice at any time as opposed to scheduled clinical hours, saving both time and money. In this project, we've created a health care environment with an artificial intelligence that allows students to practice making health care decisions.





	NPC Data - XML
eracting with the AI	MEDIA BROWSER ? - × Turt France # Welcome admin C Color on to add on dathe none C
nin admin Have you ever had any surgical cedures done, Alice? e Bot in 2006. I had surgery to get a iract removed.	Family History *Noher has a history of diabetes *Father has head disease
in admin Are you taking any medication, e? e Bot I take Depakote twice a day an admin Alice, do you know anything uk your medical	Patient History "Suffers from migrames "Had eye surgery in 2006 to remove cataract
e Boil Well, my mother had diabetes but of sure about my father. I haven't ken to him in a long time but I think he heart problems.	Patient Symptoms *Headsche *Tadgue *Naurea
nin admin Are you allergic to any dication, Alice? e Bol: Not that I know about	Current Medications Departote ER
e66424 How are you feeling. Alice? 8 Bot Well'm feeling a little nauseated tired. I haven't been able to sleep	Allergies Nons Reported
the second	Open in My Web Browser 👘 Always open in my web browser Close

Simulation Parameters

Conclusion

A simulated artificial intelligence enable health care environment has been created. A simulation with a home based scenario similar to one encountered by nurses working for a social agency has been tested. The future work includes creating additional healthcare and nursing scenarios by collaborating with nursing faculty and students.





•MySql – Backend and data storage

•Windows Server 2008 – Operating system to run all software