

**SYSTEM DIAGRAM/ USER SCENARIO**

FROM THE BEGINNING OF THE SYSTEM: A Simultaneous Multi-player Session with 3 users

\***words** in bold indicate keywords with recognizable effects in the database

\*overall ratio of negative to positive words increases in favor of negative as avatar's life expands

Words Input by User(s)	Complete Thought	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
---	---	Placid, blank	Empty cloud space	Avatar stands still, waiting for input	Random mixture of practical, negative, positive, and neutral words from category: <i>initial</i> . Practical words: <i>food, eat, home</i>



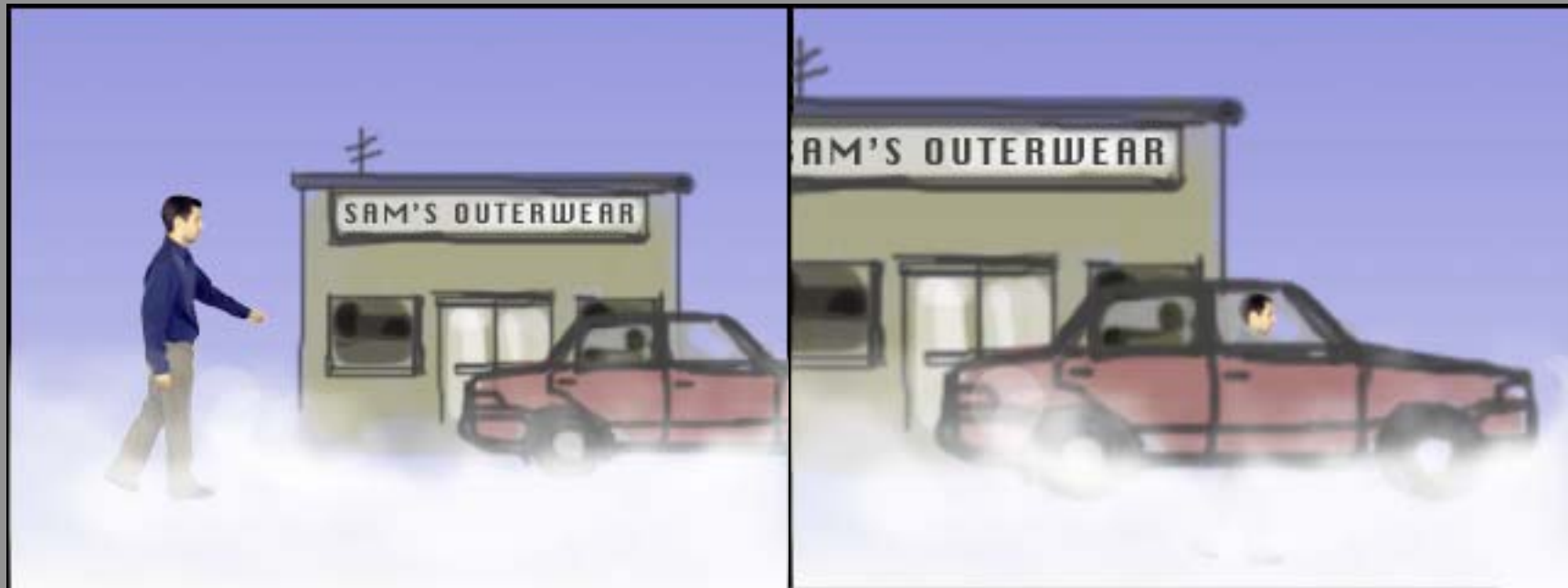
Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 1: I User 1: want User 2: food User 1: (.)	I want <b>food</b> .	None	None	None	Several practical words pertaining to category: <i>food-general</i> , such as "diner" and "fast food" are added to the cloud stream
User 1: I User 3: go User 2: to User 2: the User 3: diner Comp: (.)	I go to the <b>diner</b> .	None	None	None	Several practical words pertaining to category: <i>car-general</i> , such as "car" and "drive" are added to the cloud stream
User 1: I User 3: need User 1: a User 1: car User 2: (.)	I need a <b>car</b> .	None	None	None	Several practical words pertaining to category: <i>work-general</i> , such as "job" and "money" are added to the cloud stream
User 2: I User 2: go User 2: to User 1: a User 2: job User 1: (.)	I go to a <b>job</b> .	None	A random (no education required) workplace appears in the clouds: <i>clothing store</i>	Avatar enters clothing store	None



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
---	---	Happy (natural reaction)	---	(Audio) Inside clothing store: Avatar gets hired  Avatar leaves, waits outside store	Several positive and a few negative words pertaining to category: <i>work-just got hired</i> are added to the cloud stream



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 2: I User 3: did User 1: good User 2: (.)	I did <b>good</b> .	Happy + Proud	None	None	None
User 3: I User 3: will User 1: drive User 2: now User 1: (.)	I will <b>drive</b> now.	None	A random (cheap) car appears outside the store: <i>shabby Volkswagen</i>	Avatar gets into car, waits	Several negative and positive words pertaining to category: <i>car-just bought one</i> are added to the mind stream



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 3: I User 3: will User 1: drive User 2: now User 1: (.)	It's time to <b>eat</b> .	None (currently Happy + Proud)	A diner appears in the clouds (CUT AWAY from Avatar)	Avatar drives to diner, enters	None



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 3: this User 2: is User 3: great User 2: (.)	This is <b>great</b> .	Happy + Excited + Proud	(gets dark out)	(Audio) Inside diner: Waitress gives avatar free coffee refill  Avatar leaves, gets in car, waits	Several positive and a few negative words pertaining to category: <i>food-nice waitress</i> are added to the cloud stream



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 3: my User 3: car User 3: sucks User 2: (.)	My car <b>sucks.</b>	Add Bitter + Depressed	None	None (Avatar goes to sleep in car)	Several more negative words from category: <i>general</i> are added to the cloud stream. Instances of useful words decline slightly



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 1: I User 1: need User 1: a User 2: home User 1: (.)	I need a <b>home</b> .	None	A random (cheap) house appears in the clouds: <i>shack</i> (CUT AWAY from Avatar)	None (Avatar sleeping in car)	Several negative and positive words pertaining to category: <i>home-just bought one</i> are added to the cloud stream.



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
---	---	(currently Placid, blank)	(Morning comes)	Avatar wakes up, drives to shack, goes inside  Inside shack: quiet	Several negative and positive words pertaining to category: <i>home-all alone</i> are added to the cloud stream.



Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
User 1: I User 2: feel User 3: lonely User 3: here User 2: (.)	I feel <b>lonely</b> here.	Add Sad + Depressed	None	None  (Avatar leaves shack, gets in car, drives to <i>clothing store</i> )	Several more negative words from category: <i>home – all alone</i> are added to the cloud stream. Instances of useful words decline.

Words Input by User(s)	Thought Generated	Impact on Avatar's Emotional State	Impact on Environment In World View	Impact on Avatar In World View	Effect on Words Available
---	---	(currently Sad + Depressed )	---	Avatar enters clothing store  (Audio) Inside clothing store: Manager cuts avatar's pay	Several negative and a few positive words pertaining to category: <i>work-boss cuts pay</i> are added to the cloud stream.
User 1: I User 2: hate User 3: my User 3: boss User 1: (.)	I <b>hate</b> my boss.	Add Angry + Upset	None	None  (Avatar leaves clothing store, drives to diner)	Several more negative words pertaining to category: <i>work-boss cuts pay</i> are added to the cloud stream. Instances of useful words decline.
User 1: I User 2: want User 3: a User 3: nicer User 2: home User 1: (.)	I want a <b>nicer home</b> .	None	None	None  (Avatar gets out of car, enters diner)	Several practical words from category: <i>better home</i> such as "raise", "promotion" and "school" are added to the cloud stream.
Etc.	Etc.	Etc.	Etc.	Etc.	Etc.