Map Navigation Experiment:
Observer's Instructions

Date:

Codes

	name	*code*
Observer		
Group		
Participant		

Trial Information

trial	*CVW version*	*maps to distribute*
First Study Trial		mST___
First Test Trial		mTT___
Second Study Trial		mST___
Second Test Trial		mTT___

Instructions

1. log in (see below)
2. present user with pre-experiment questionnaire
3. setup for training session (see below)
4. present general instructions to participant and go through training
5. answer any questions
6. setup for first trial (see below)
7. at beginning of trial, distribute map and instructions for first study trial
8. record observations
9. at end of trial, ask participant to record the solution on copy of map

10. repeat steps 6-9 for first test trial
11. distribute questionnaire for first trial
12. repeat steps 6-9 for second study trial
13. repeat steps 6-9 for second test trial
14. distribute questionnaire for second trial
15. answer any questions and wrap up

Log in

- prior to running the Xserver, type /NFS/ai-contrib2/ICV/bin/openwin-ewg -expfile /NFS/ai-contrib2/ICV/experiments/mapnav/g_

Present Pre-Experiment Questionaire

Before explaining anything, present the participant with the pre-experiment questionnaire.

Setup for Training

- Use the left mouse button to pull down the window manager menu
- Select *Run CVW*
- log into CVW for the participant P1 or P2
  The password is the same as the user id.
  (Note that the user id and password are case sensitive.)
- put participant P1 in the *Prep A* room. (Participant P2 goes in the *Prep B* room.)
- in the toolbar, click the *Carry* button
- open VAT and adjust the controls, as necessary

Setup for Trials

There is no need to quit CVW each time, but VAT must be quit at the end of the training session and at the end of each trial.

- If needed for this trial, open VAT (else remind participant that audio is not permitted)
- Open the map, and position all windows according to specs. Minimize the map.
- Hand the task instructions to the participant.
- DO NOT ALLOW the participants to communicate with each other IN ANY WAY.
- When the administrator sends a page, hand the map to the participant, maximize the whiteboard map and let the participant know that the task has begun. If the observer is the administrator, hand the map to the participant and open the whiteboard as soon as the receipt of the page is acknowledged.
- Remind the participant that, as soon as the participants agree on the final solution, they should dismiss the white board and then inform the observer.

During the Trial

- Record all observations and comments on coding sheets provided.
- You may answer questions related to the participant's understanding of the task (e.g., Am I allowed to mark the whiteboard?)
- DO NOT answer any other questions. Record all other questions to be answered at the end of the experiment.

After Trial

- When the participant has dismissed the whiteboard and informed the observer that the task has been completed, note down the end time.
- SHUT DOWN THE VAT

- Open the whiteboard again and give the participant a copy of the map to draw the solution.
- After the second and fourth trials, provide the participant with the questionnaire.
- Quit out of CVW.
- Wait until the administrator lets you know it is ok to start the next trial.

Wrap-up

- Answer any and all questions the user had during the experiment.
- Discuss any interesting behaviors we would like the participant to explain
- Ask participant about their overall impression ("What did you think of the tool?" "What did you think of the experiment?"
- Explain the purpose of the experiment:
  "The experiment is designed to investigate performance variance under the two conditions: CVW with audio and CVW without audio. We are interested in how fast you came to your solutions and the quality of the routes.

  "We are also looking at your satisfaction with the planning task. We expect satisfaction to be higher in the audio condition.

  "We are also interested in how linguistic communication differs between conditions. We suspect that whiteboard will be used less when audio communication is available and that more will be communicated through audio.

  "Finally, we're interested in how the two conditions influence participation. We believe that the audio condition will have more equal participation."
- Please do not discuss this experiment with anyone so as not to influence other potential participants.

Trial Observations

	description or name	*code or recording*
Observer		g__o__
Participant		g__p__
Trial		
Start Time	before material distribution	
End Time	when final solution is reached	
Solutions	total solutions (inc. final)	

Observations

Fill in the following table with any comments, C, made by the participant, breakdowns, B, in communication, questions, Q, asked by the participant, or any general observations, G, you make.

code	*part.*	*comment*

code	*part.*	*comment*

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