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CS4.3.2

Moodle contents for learning Shirogame-Style-Sighted-Guide-Technique

Sekita, Iwao[1]; Murakami, Takuma[2]; Shishido, Hisako[2]; Ishikawa, Mitsuhide[3]; Sakai, Tomoko[3]; Endo, Ritsuko[2]; Mashiko, Chie[4]; Chiba, Yasuhiko[5]; Yamaguchi, Noriko[6]; Tatsumi, Hisayuki[1]

[1]National University Corporation, Tsukuba University of Technology, Tsukuba, Ibaraki, Japan; [2]NPO Shirogame, Niiza, Japan; [3]Tokyo Independent Living Support Center for the Visually Impaired, Tokyo, Japan; [4]Tokyo Metropolitan Rehabilitation Center for the Physically and Mentally Handicapped, Tokyo, Japan; [5]Miyagi Prefectural Blind School, Sendai, Japan; [6]Kansai Home for the Blind Woman, Nishinomiya, Japan

Learning sighted-guide (SG) techniques bring safer SG for visually-impaired people (VIP). The usual techniques are constructed under assumption that the VIP knows reaction based on the SG's guide-action. However the Shirogame-style-SG-technique (SST), constructed by NPO Shirogame, needs no such assumption, and is shown in Japanese book. We developed Java program for learning the SST via internet web-site. In the site, a learner (LN) selects one guide-setting among more than 20 settings, answers the question given at each guide-step, and aims to get high scores. However, it has three problems: The

LN wants to watch moving images instead of stop motions. The LN must change the security of web-browser to accept without the certification of Certification Authority. And blind people cannot read the web-site well even if they want.
We adopt the following methods to solve the problems. We replace stop motions with video movie in each question. And we reconstruct and expand the learning contents as Moodle ones. Moodle is known as an open source learning platform and is widely used in education fields. The LN can access the Moodle contents under default security level of web-browser. The font-size of Moodle is easily changed, and some screen reader can read its contents.
Moodle offers several content-forms for giving learning pages including a question. We considered four forms based on both the module (Lesson or Quiz) and the control such as the LN with wrong answer can go to the next learning page or not. From inquiries, it is preferred that the Quiz-module and the control such as any LN can go to the next page, because it gives simple structure, a simple score message and the history of all answers.
We have developed more than 30 guide-settings of SST using the above form. Each setting consists of several learning pages with video images and questions. The last page in the scene shows both the continued video image and the full image. The LN can review the details.

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