

# SafetyNurses

Risk awareness & safety for nurses

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Apple iOS



Android

## Introduction

The undergraduate nursing curriculum is discipline-driven. Some studies found that the use of flipped classroom may help to promote active learning (Missildine et al., 2013; Hamdan et al., 2013).

## Aims

This project aims to (1) develop micro-modules to facilitate flipped classroom implementation; (2) evaluate students' perception and satisfaction towards the developed micro-modules and flipped classroom teaching in a first-year nursing course, "Fundamentals of Nursing I".

## Methods

With support from a Micro-module Courseware Development Grant, four micro-modules that cover two major topics were developed. The 2 topics include:

1

Meeting safety needs

Ensuring a safe and comfortable environment for care

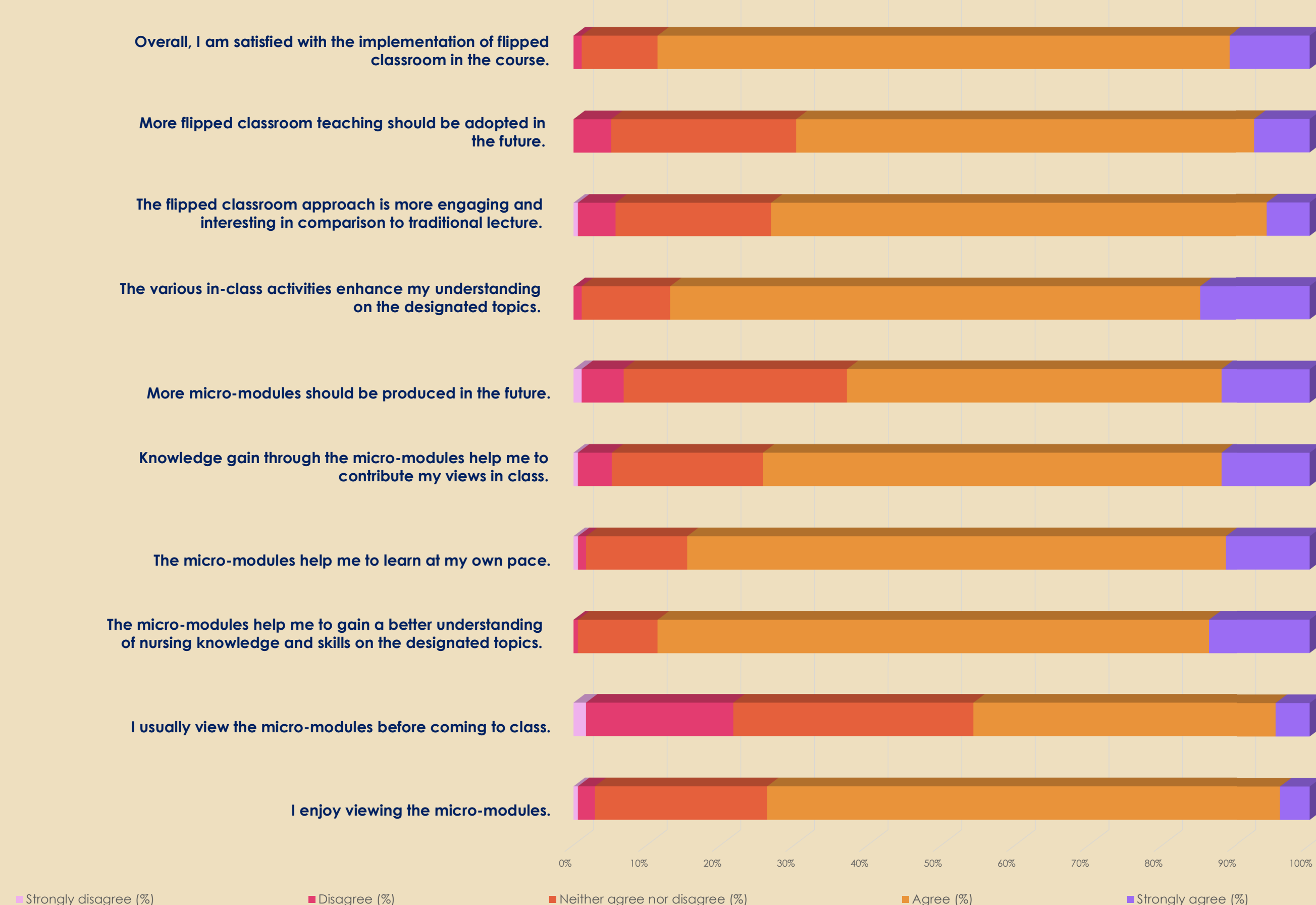
2

## Results

The project has been evaluated by  
1. student surveys      2. qualitative interviews.

Satisfaction with micro-modules and flipped classroom

167 students responses (79.1%) were received.



The animation is enjoyable because it helped us to 'visualize the steps' in performing fall assessments for the patients

This new approach is good for our learning

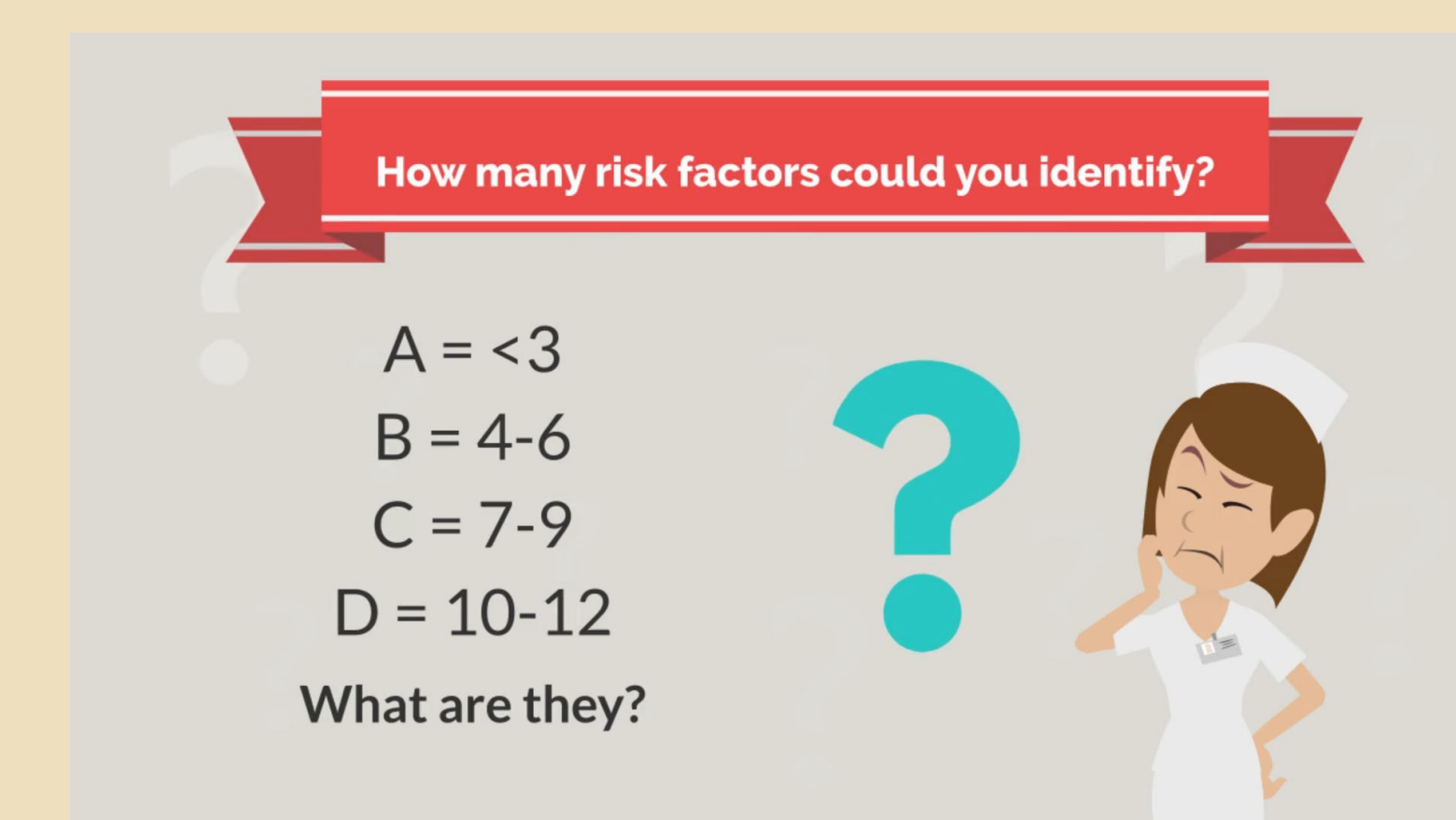
It is very interesting and entertaining



Qualitative interviews

## Micro-modules

### MMCD 1: Identify intrinsic factors for fall



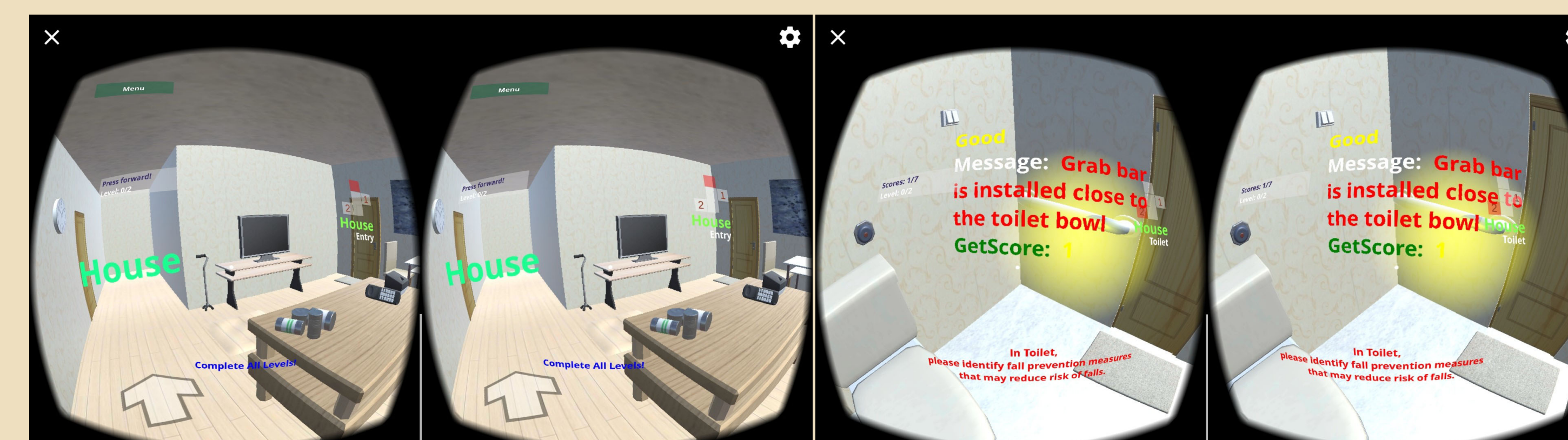
A four minutes cartoon animation with cartoon character (83-year-old lady) presented with various problems. Students were required to identify her intrinsic factors for falls.

### MMCD 2: Conduct fall risk assessment

A five minute animation to guide students step-by-step in conducting the "Morse Fall Scale" for a patient.

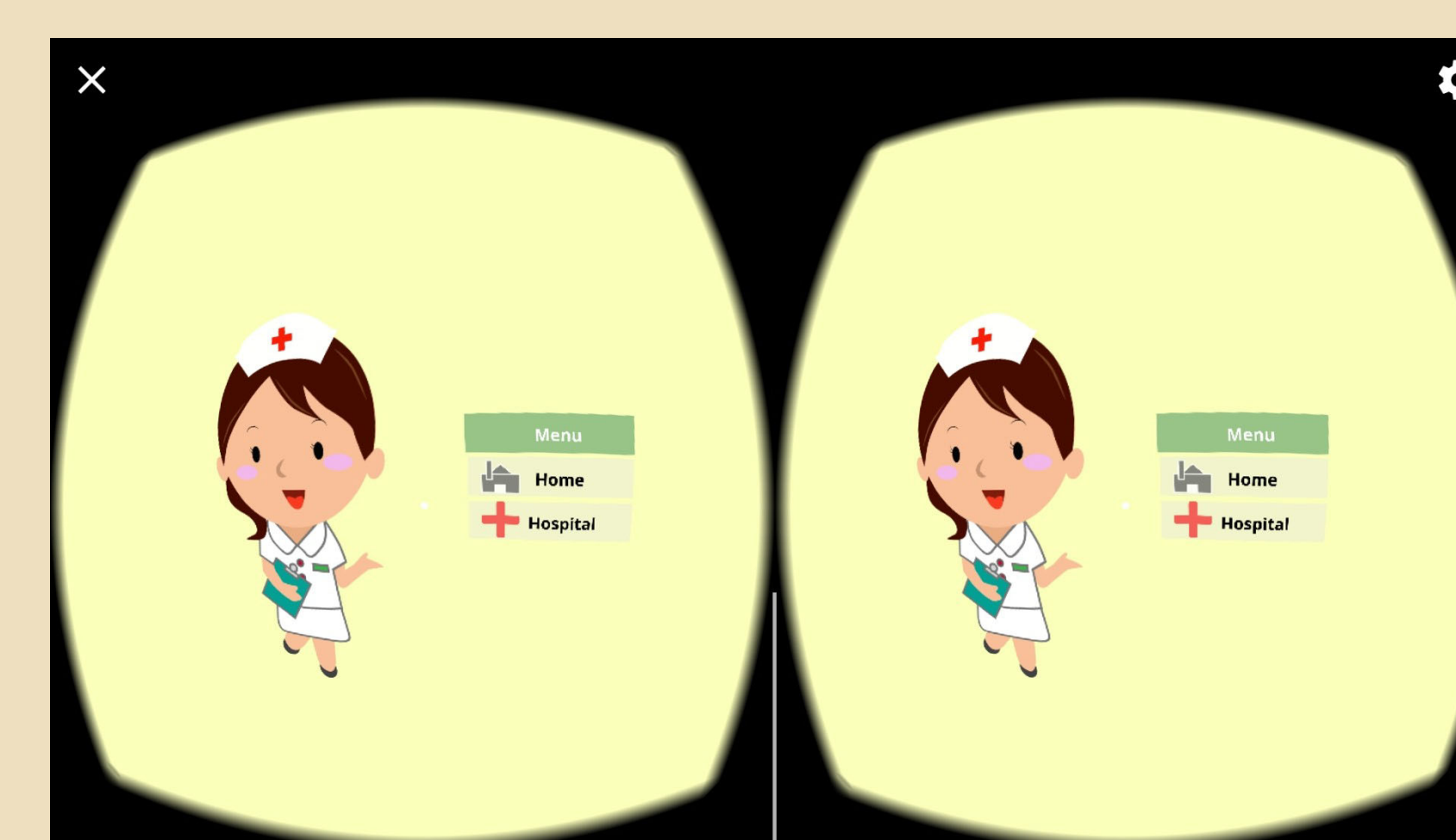


### MMCD 3: Identify extrinsic factors for fall in home setting



### MMCD 4: Identify various risks that threatened patients and health care providers' health in hospital setting

Both presented in the VR application which included a virtual home or hospital environment.



## Conclusions

The evaluation indicated that the project has achieved its objectives effectively and completely. The findings help to motivate teachers to develop micro-modules and use flipped classroom approach in other courses.

## References

- Hamdan, N., McKnight, P., & Arfstrom, K.M. (2013). The flipped learning model: A white paper based on the literature review titled a review of flipped learning. Retrieved from [http://www.flippedlearning.org/cms/lib07/VA01923112/Centricity/Domain/41/WhitePaper\\_FlippedLearning.pdf](http://www.flippedlearning.org/cms/lib07/VA01923112/Centricity/Domain/41/WhitePaper_FlippedLearning.pdf)
- Missildine, K., Fountain, R., Summers, L., & Gosselin, K. (2013). Flipping the classroom to improve student performance and satisfaction. Journal of Nursing Education, 52, 597-599.