

# A User Interface Proposal for Camtasia Enterprise

SI 682 - Interface and Interaction Design

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# Agenda

- Introduction
- Techsmith Design Meeting
- Test Design
- Quantitative Results
- Qualitative Results
- Future Work

# Introduction

- **Problem:** No easy way for professors to easily record lectures.
- **Vision:** An easy to use interface for recording lectures in an unobtrusive manner that allows professors to focus on teaching while providing easy to access information about functionality.

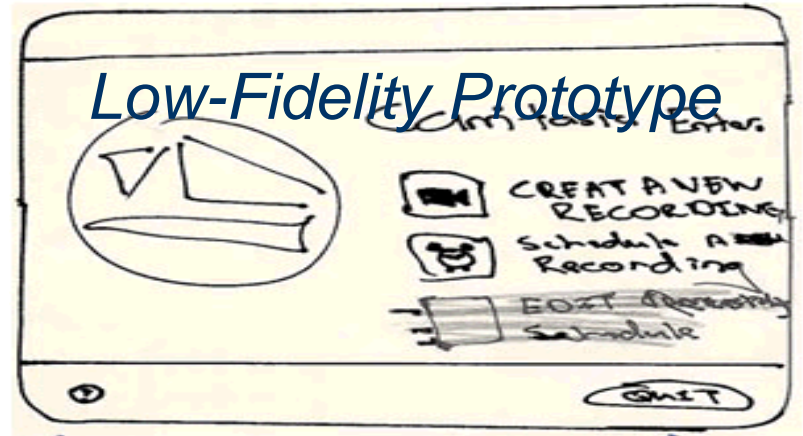
# Milestones

## Joan Stevens

She teaches mainly at the graduate level and prefers interactive discussion with her class rather than straight lectures.



## Personas



## Jim Deech

Jim supports 35 professors and office staff. The majority of his time is spent keeping the printers running and maintaining a few servers that faculty and graduate students access.



## Scenarios



# Techsmith Design Meeting

- Web-based standalone hi-fi prototype
- Web conference meeting
- Recorded for later review
- Used design/usability sessions to validate/revise feedback

## Feedback from Techsmith Team

- Too many clicks to start the recording
- The three icons in the preview tab were not intuitive
- More information could be embedded in file structure

# User Tasks

1

## Finish Recording and Notate File

*“You are a professor using software to record your lectures – sound and visual. You see the following screen behind your PowerPoint presentation:*

**How would you stop the recording and notate that the lecture is about “Classification Systems”?**

2

## Create and then start a recording.

*“You are a professor that uses software to record lectures – sound and visual. You will need to create and start a recording using software.”*

**You will need to create a recording. Before you begin recording, check that your microphone is being ‘heard’ by the software. Then begin recording your lecture.**

## Scenario 2 – Create a Recording

### Task: Create and then start a recording

*Starting at main screen. Read this script.*

“You are a professor that uses software to record your lectures – audio and visual from the computer. You will need to create and then start your own recordings of screen

*Screen with CE icon in the toolbar*

**You will need to create a recording check to ensure that your music software will have checked the recording.**

Quantitative data

Qualitative data

Observations

- 4 – completed the task quickly with no difficulty
- 3 – Took a bit of time but completed the task
- 2 – Completed with little to no assistance but had a hard time understanding where they were and what to do next.
- 1 – the user could not complete the task without assistance.

7. The user knew which task to select “Create a New Recording”	1	2	3	4
8. The user knew the difference between the audio levels section on the preview screen and the audio tab.	1	2	3	4
9. The user successfully started the lecture.	1	2	3	4

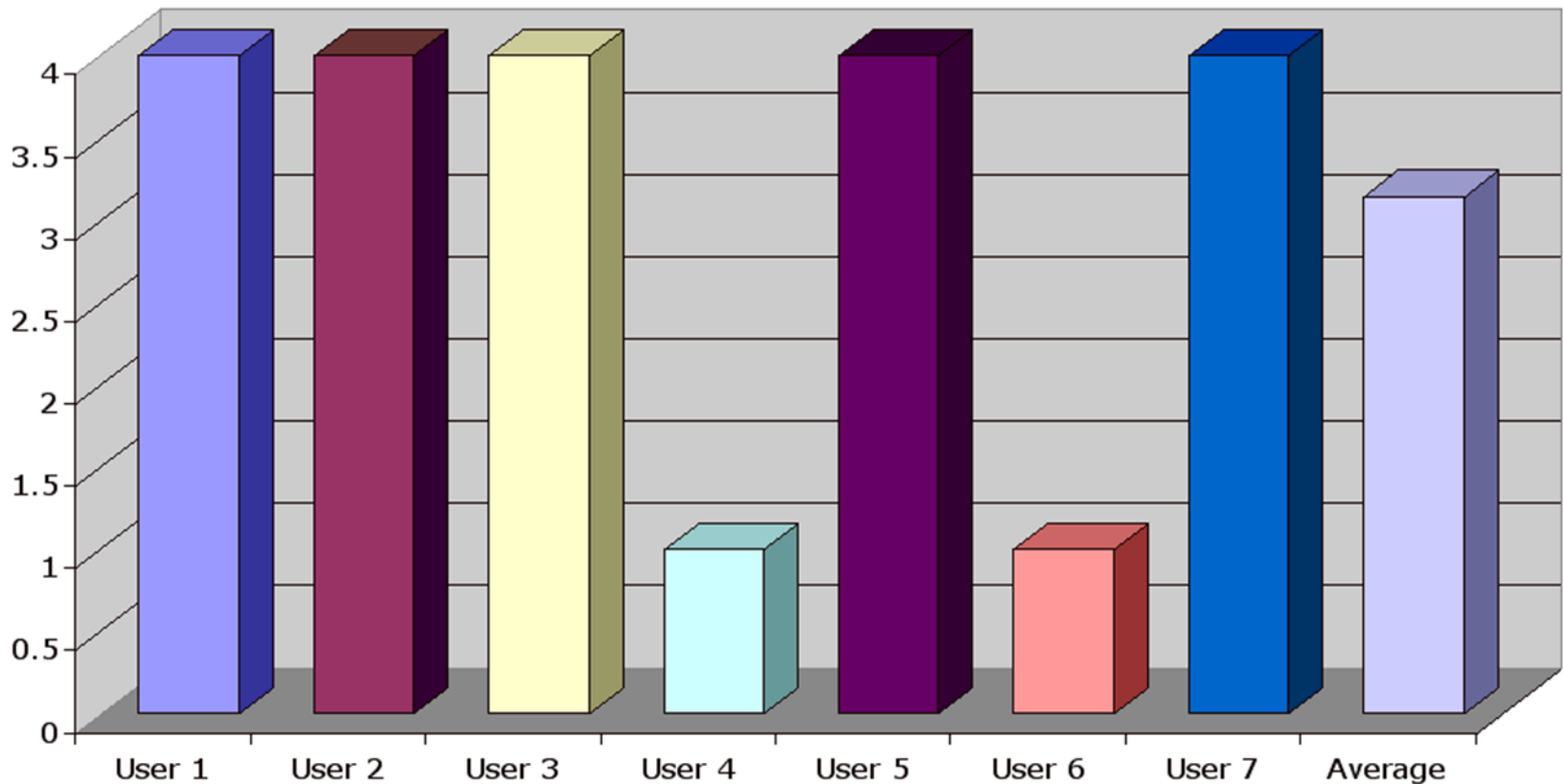
10. How intuitive was the interface for audio?	Very Simple	Somewhat Simple	Difficult
11. Did you understand what the Preview Screen was used for?	Very Simple	Somewhat Simple	Difficult
12. Was the design simple?			
Other comments:			

**Tester Remarks:**

# Quantitative Scale

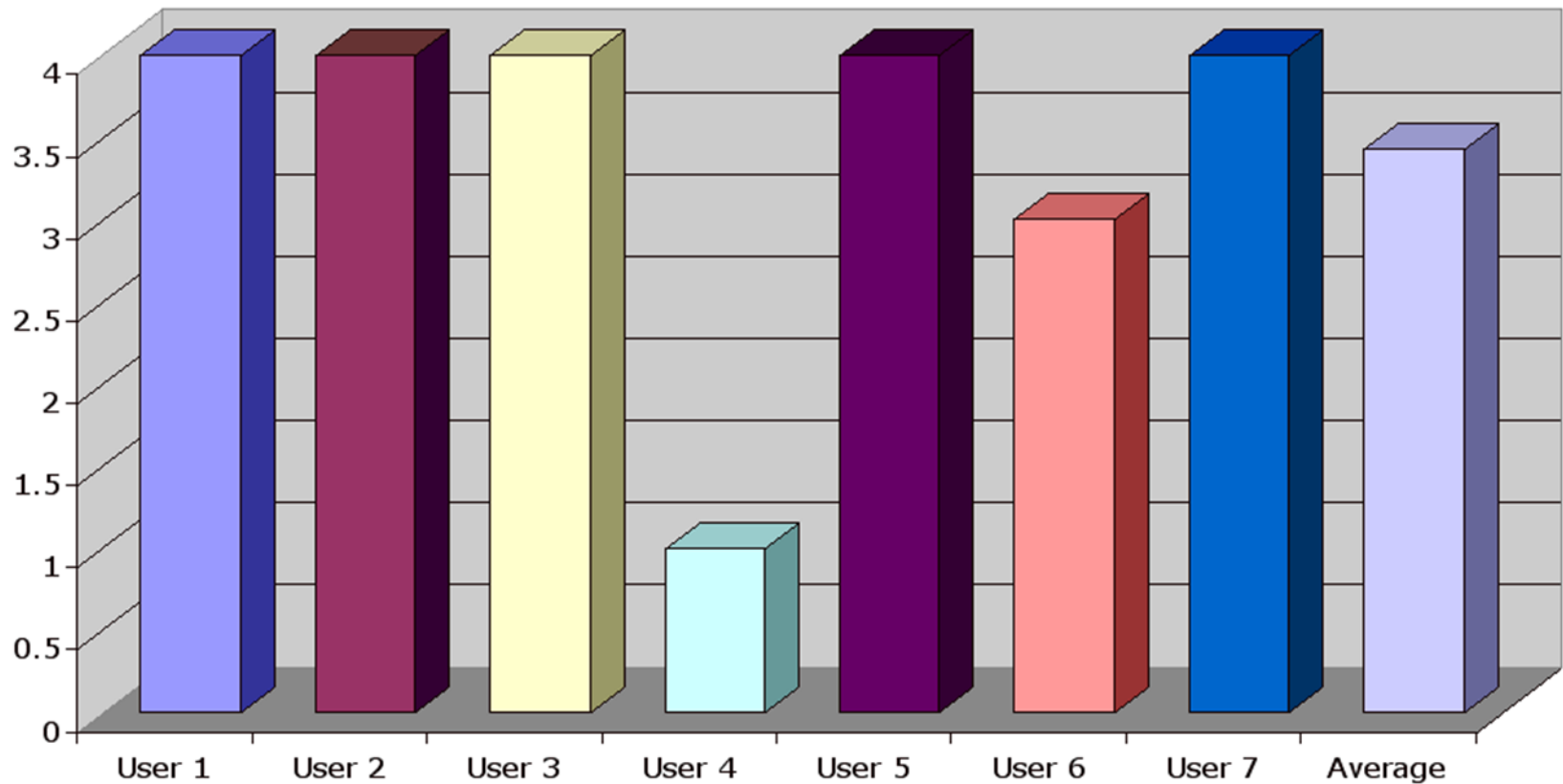
4. Completed the task quickly with no difficulty
3. Took a bit of time but completed the task
2. Completed but did not know exactly what to do next
1. Could not complete without assistance

## Question 1



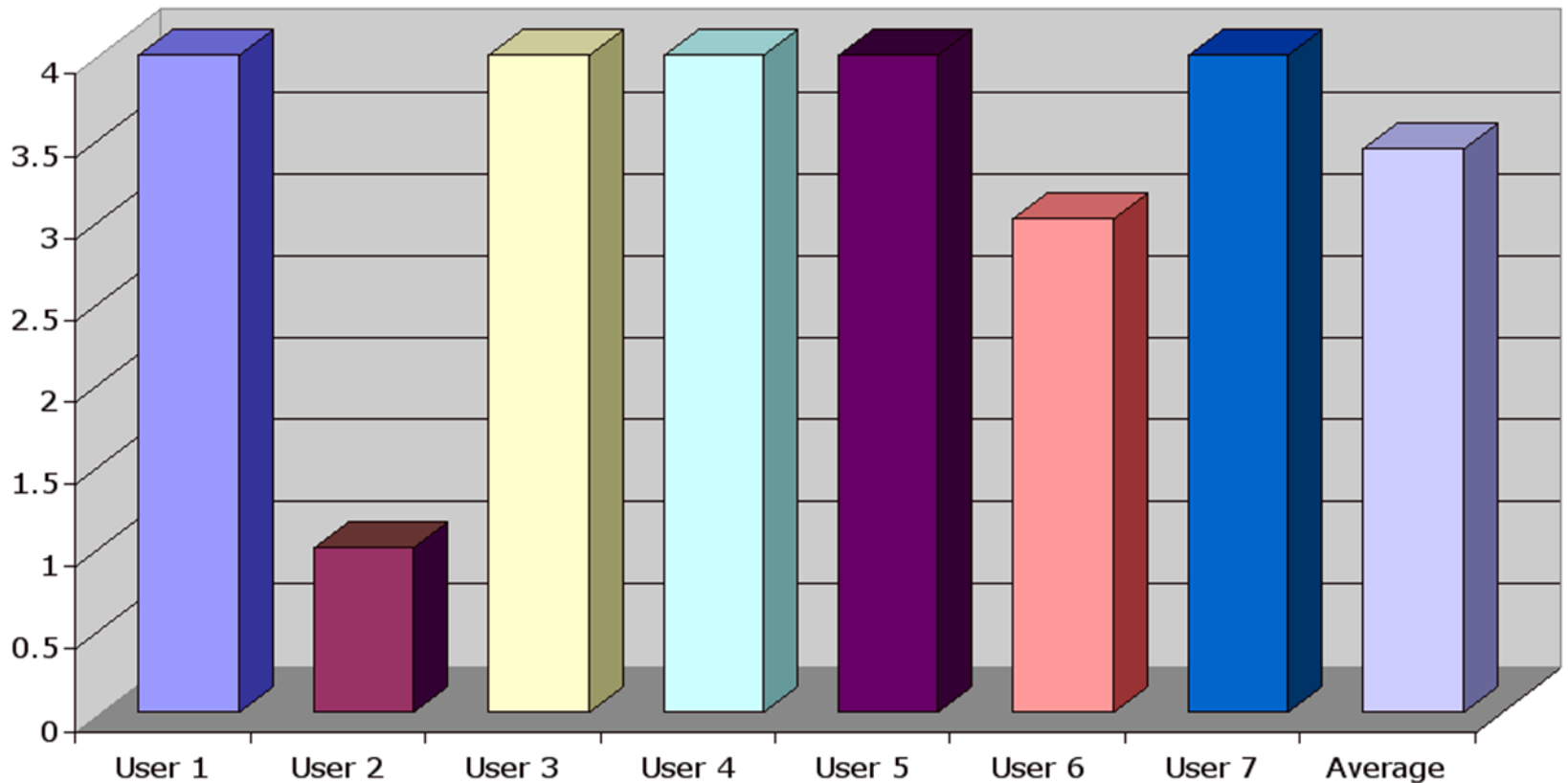
- Able to identify the CE icon in the tool bar?

## Question 2



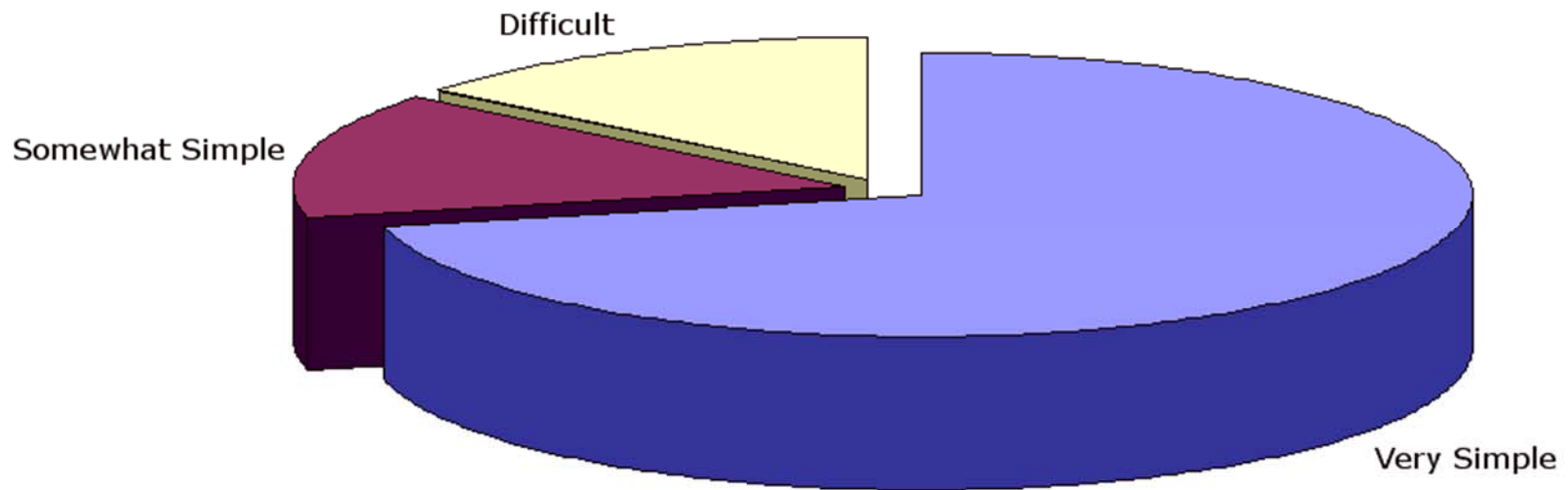
- User selected “Finish Recording”.

### Question 3



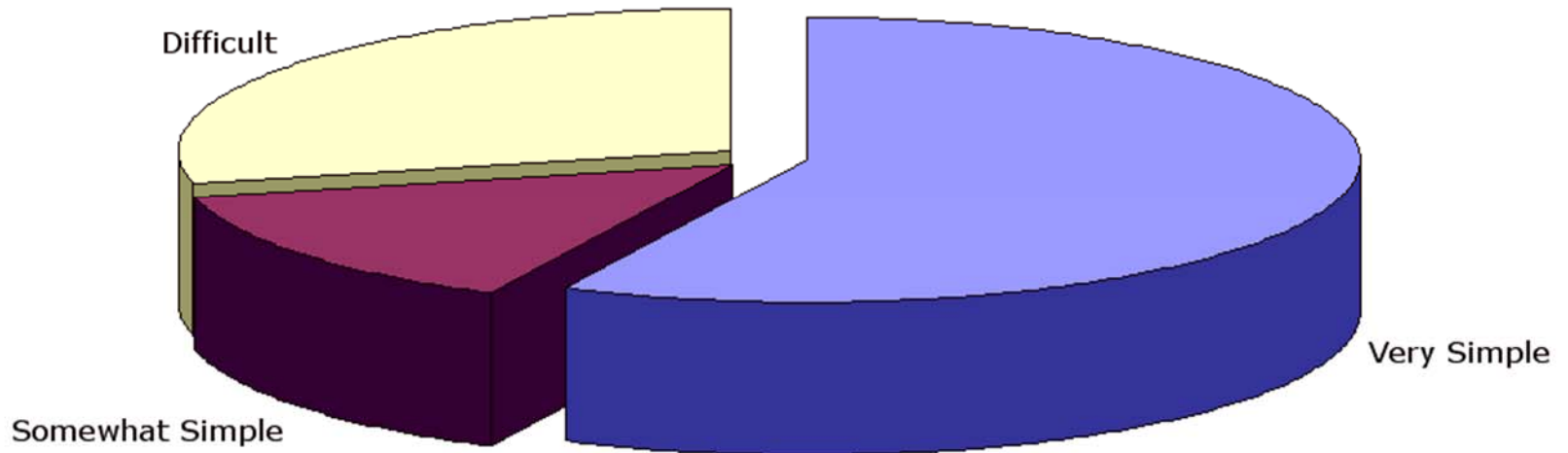
- User understood what “Notes Section” was.

## Question 4



- How easy was it to complete the task?

## Question 5



- Was it easy to identify the CE icon in the toolbar?

# User Tasks

1

## Finish Recording and Notate File

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**How would you stop the recording and notate that the lecture is about “Classification Systems”?**

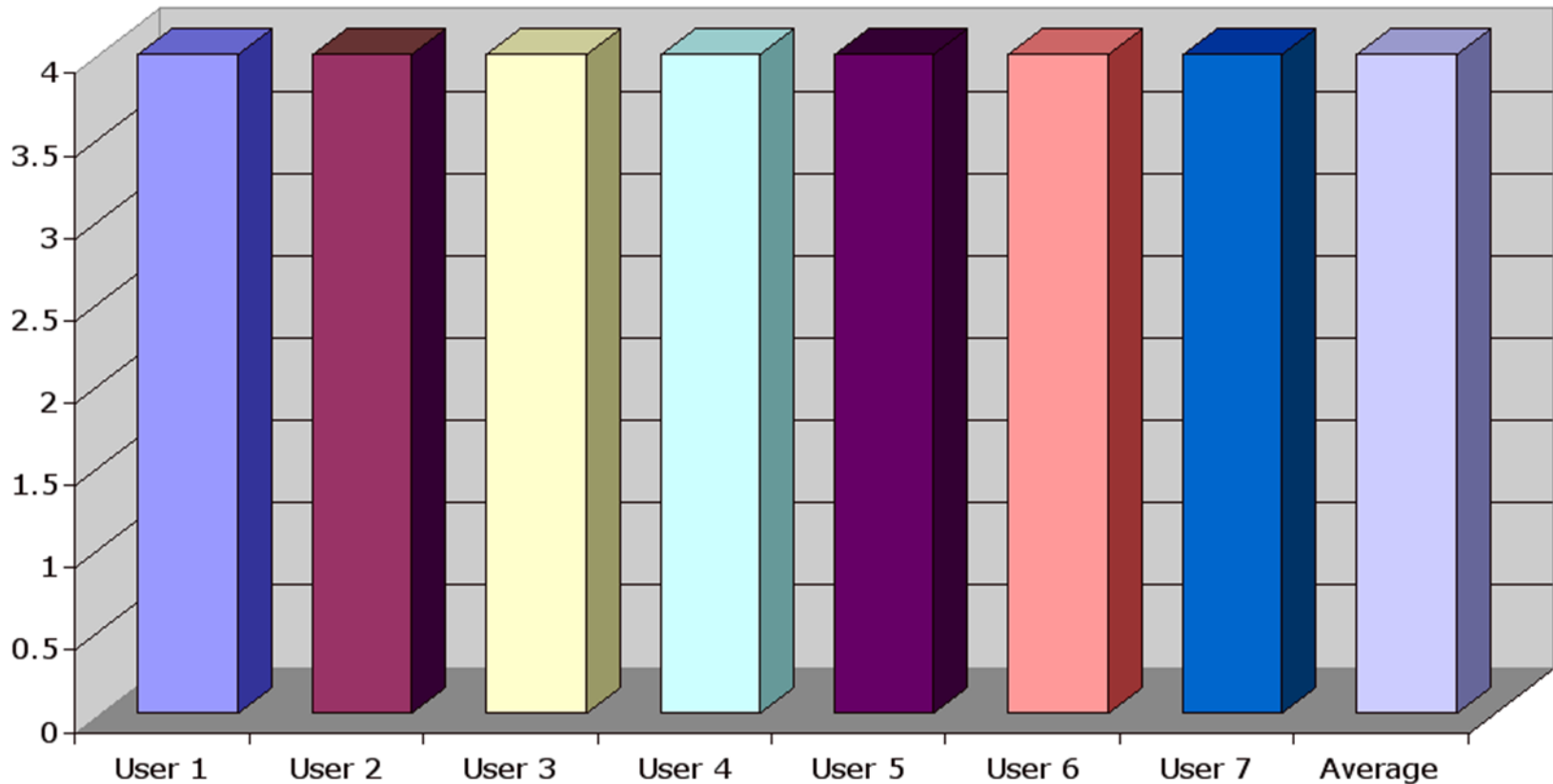
2

## Create and then start a recording.

*“You are a professor that uses software to record lectures – sound and visual. You will need to create and start a recording using software.”*

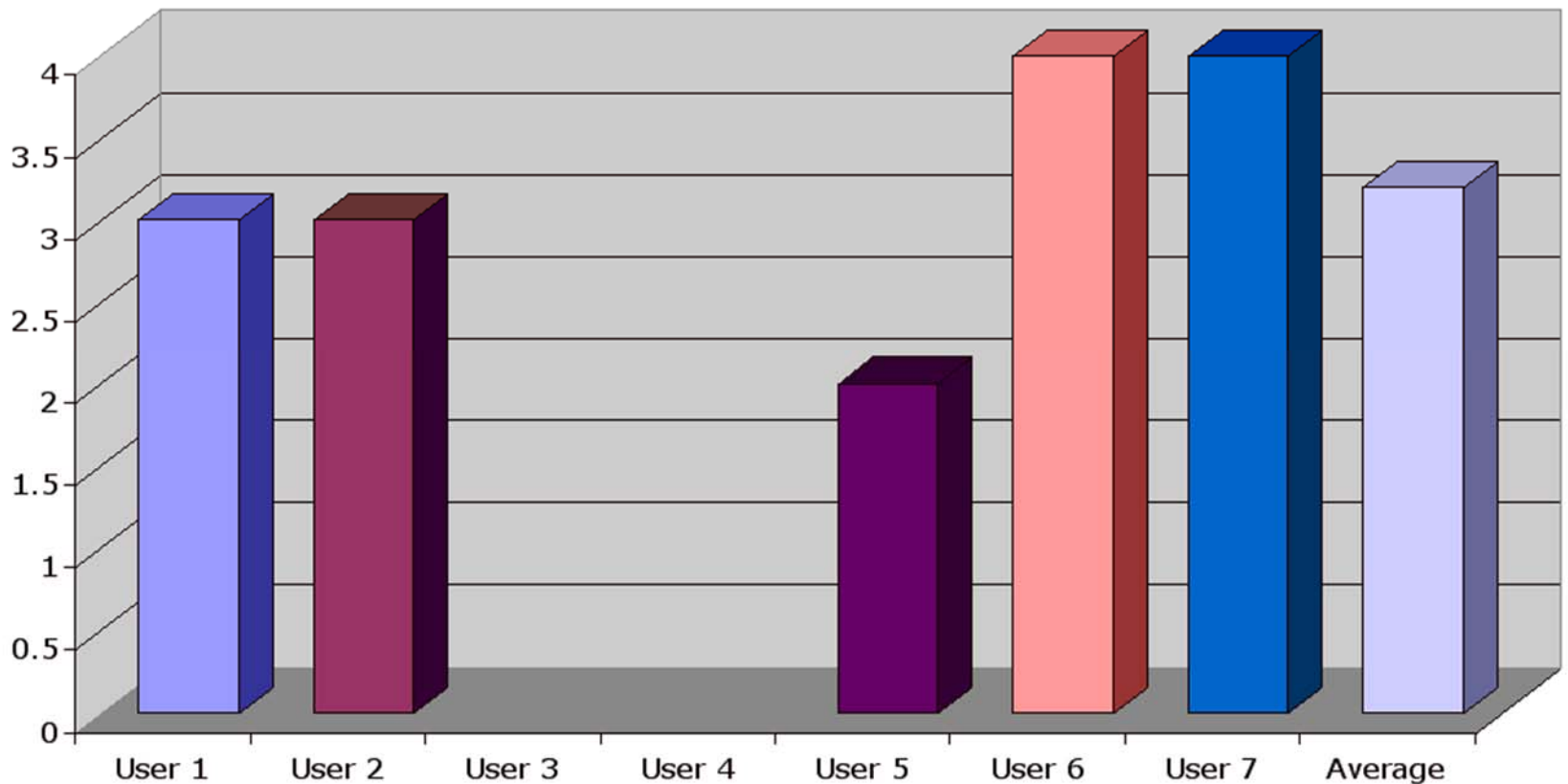
**You will need to create a recording. Before you begin recording, check that your microphone is being ‘heard’ by the software. Then begin recording your lecture.**

## Question 7



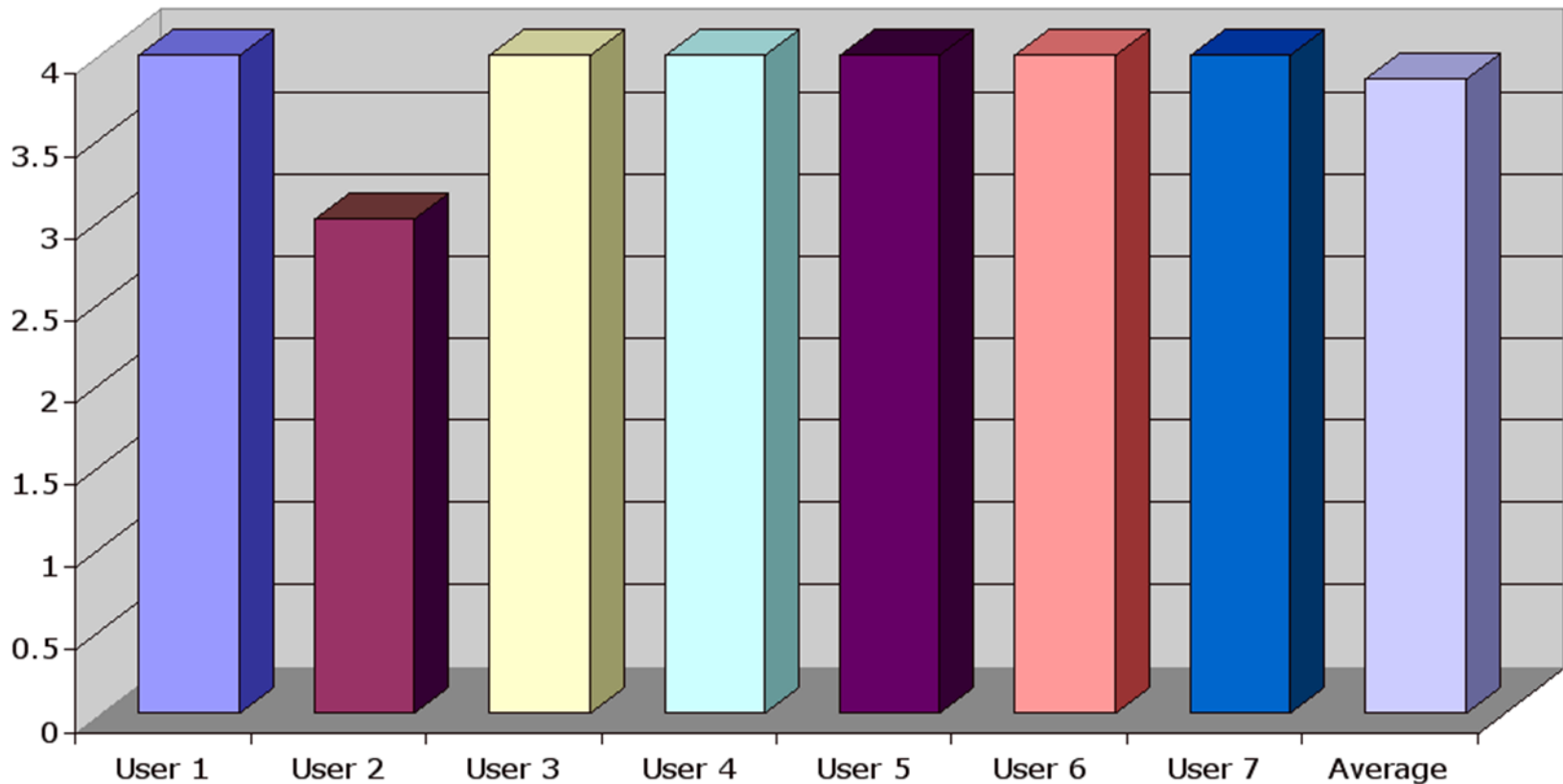
- The user knew which task to select “Create New”.

## Question 8



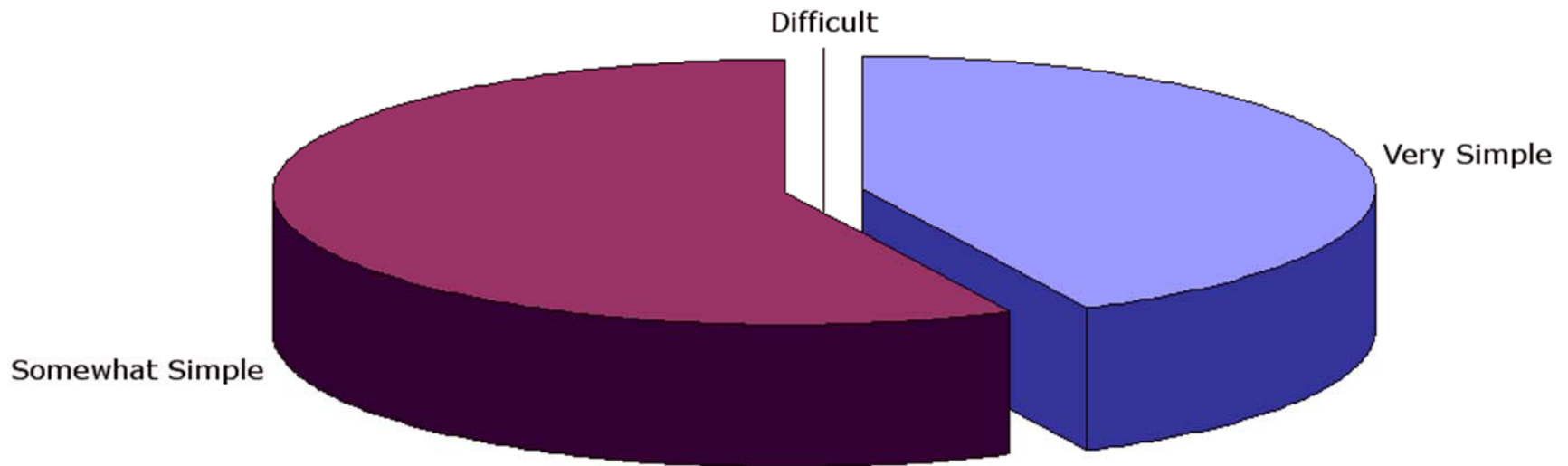
- The user understood the difference between audio levels on the main page and the audio tab.

## Question 9



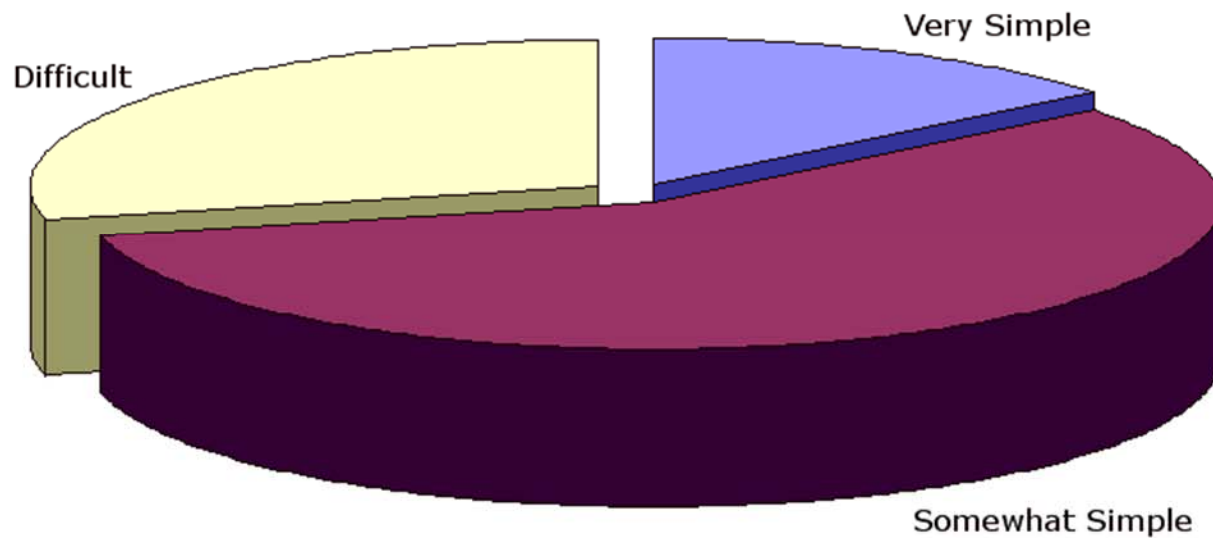
- The user successfully started the recording.

## Question 10



- How intuitive was the interface for audio?

## Question 11



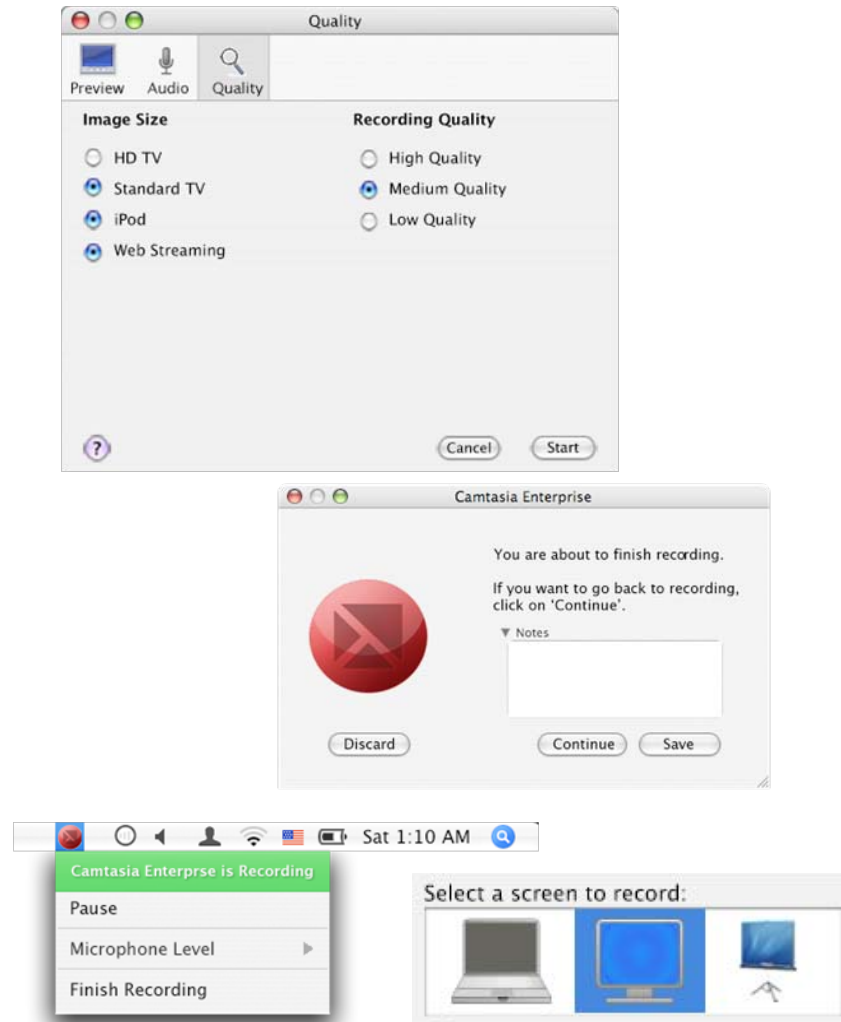
- Did you understand what the Preview Screen was?

# What was easy?



- Test subjects understood what the application was supposed to do
- Specifically, they understood
  - the opening screen, the icons here
  - that the area in the preview tab showed what was being recorded
  - the audio levels in the preview tab and they could adjust the volume if necessary
- Majority of test subjects understood pause/resume/finish recording on top

# What was not intuitive?



- Quality tab was confusing.
- Confusion for pause/finish recording.
- The way the recording is stopped (Continue)
- Confusion about the purpose of notes, who it is for
- Selecting a screen to record
- The CE icon in toolbar didn't give enough feedback
- Overall, expected more feedback from the application in form of confirmation messages after actions

# What we did well

- Leveraged user knowledge with familiar widgets and icons.
- Provided an unimposing interface with clear direction and simple instruction.
- Created a robust, immersive and easy-to-test prototype.

# Recommendations for Design Changes

- Add visual feedback for recording and screen selection.
- Differentiate between pause and play for animated status icon.
- Determine sensible defaults for recording quality settings, but offer a robust settings as well.
- Provide more instruction about what happens after recording.



## Camtasia Enterprise



Create a New Recording



Schedule a Recording



Learn More



Quit

# Questions?

- Thank you for listening.
- We'd be happy to take your questions.