mxit web applications

Overview

Aims
- To build an interface that allows teachers to create learning services for MXit
- To build a system architecture capable of supporting this interface
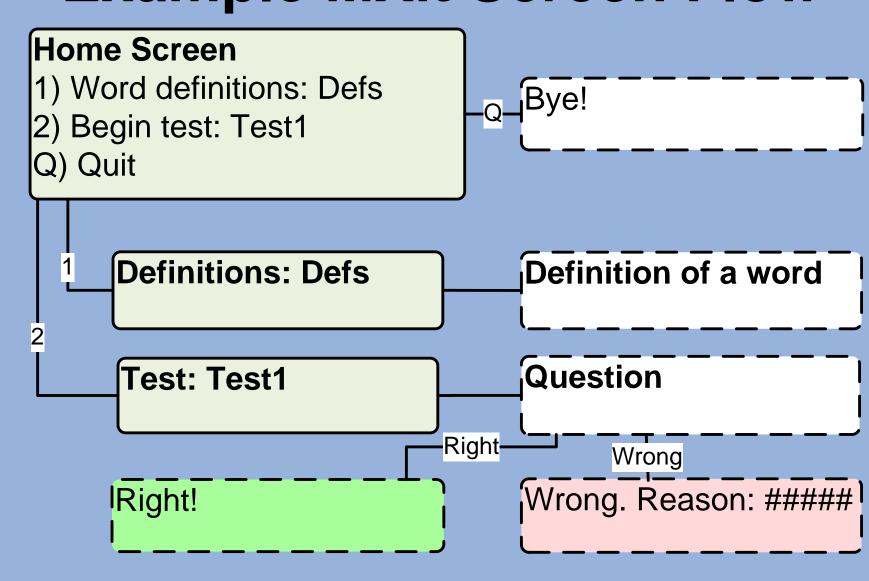
Interface Requirements
- Intuitive
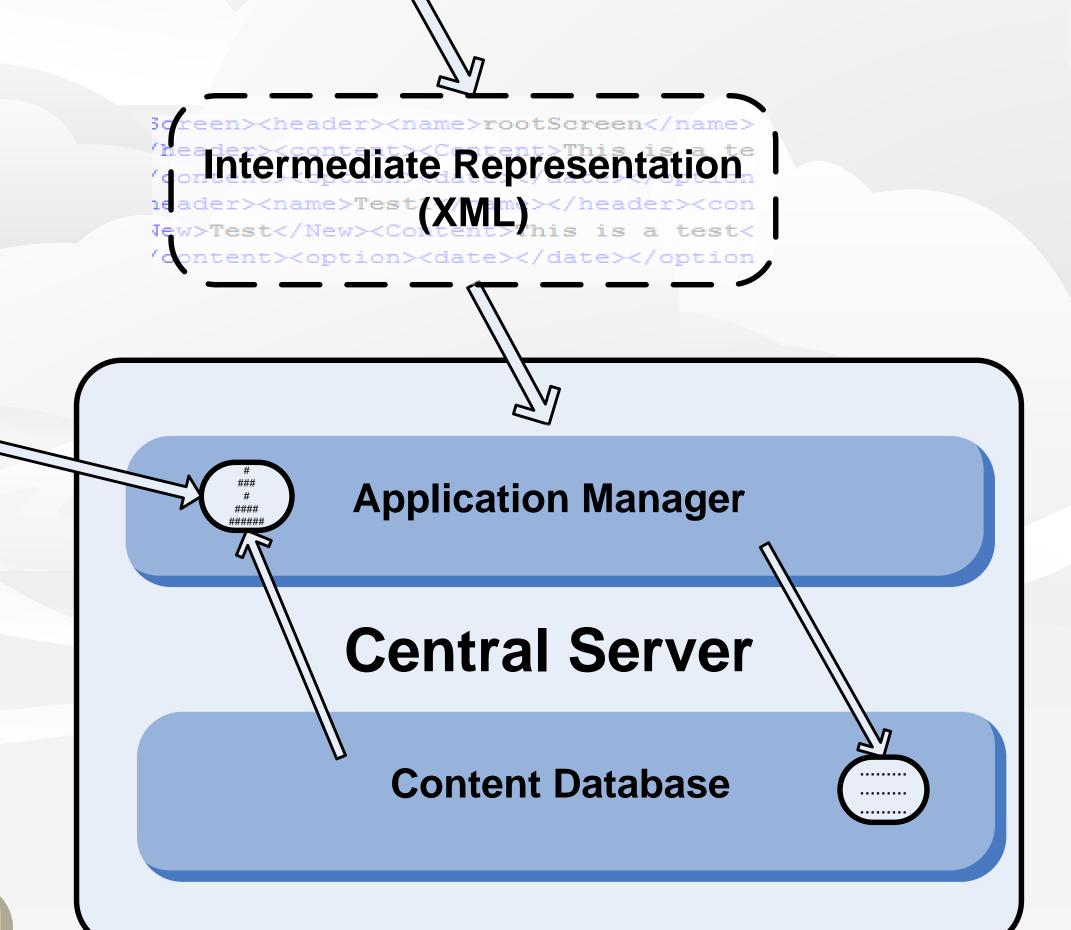- Efficient and not time-consuming to use

System Requirements
- Scalable to a large user base
- Robust enough to handle any user input

MXit Application Creator

MXit contact Name : Example

Expand All Collapse All

Home Screen
- Definition
  - computer
- Assessment
  ADD   REMOVE
  - QuestionItem1
  - QuestionItem2

Content | Options

Question Number QuestionItem2

Question : Question

Answer A : Answer one
Answer B : Answer Two
Answer C : Answer three
Add Answer   remove Answer

Correct Answer   C

Answer three

Enter Feedback to the students here:

Options
ADD
REMOVE

Set Marks for Question:
1

Set Alert Date:

Publish

Example MXit Screen Flow

Home Screen
1) Word definitions: Defs
2) Begin test: Test1
Q) Quit

Q — Bye!

1 — Definitions: Defs — Definition of a word

2 — Test: Test1 — Question

Right — Right!

Wrong — Wrong. Reason: #####

Intermediate Representation (XML)

Application Manager

Central Server

Content Database

Conclusions

- Web interface produces an intermediate representation of content
- Internal system produces and manages MXit applications given intermediate representation XML

Potential Future Work

- Further investigation into the use of MXit as a platform to encourage development and learning in South Africa
- Investigating alternative applications of MXit, e.g. as a gaming platform

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