Lecture Comprehension Indication System 3 David Kenyon

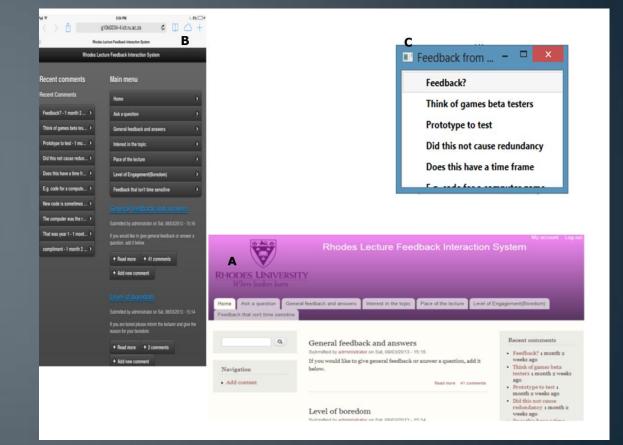
## Aim: • Problem: •Lack of student engagement •Feedback questionnaires at the end • Solution: •Lecture comprehension system •Live •Lecture specific •Mobile phone based

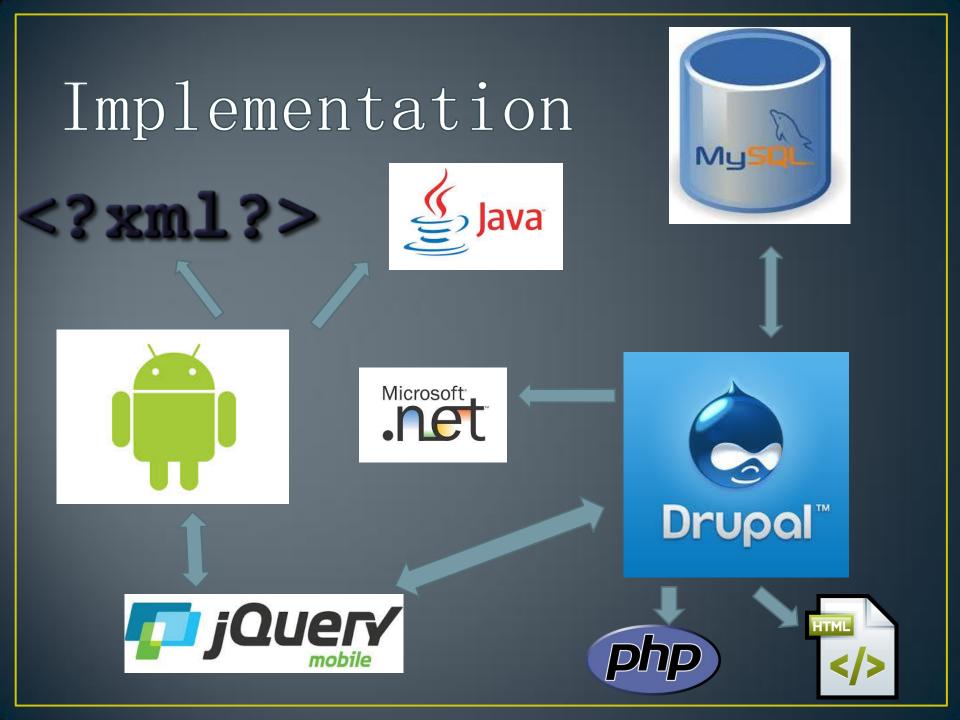
Design:

a) Lecture Interaction System Website

b) Mobile Website and Android App

c) Windows Palette Application





# Results: Interaction in Lectures

### 60 40 20 0 20 Count

Strongly.Agree Agree Neutral Disagree Strongly.Disagree

### Interaction in Lectures

I regularly ask questions in lectures.

I regularly answer questions in lectures.

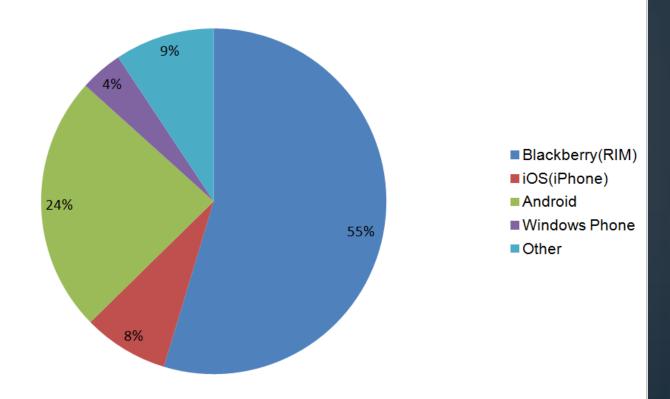
I will tell a lecturer when they are moving too fast or too slowly in a lecture.

I regularly give feedback such as my opinion on a topic in a lecture.

I would tell a lecturer if I was bored during a lecture.

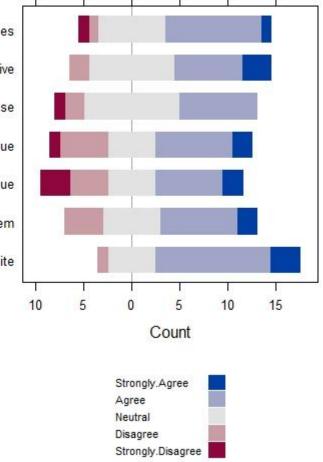
### Results: Cell phone usage share

### Pie chart showing the class sample usage share of mobile operating systems



### Results: Lecture Interaction System

### Lecture Interaction System



I think that the system should be used in future classes I think that the word limit was too restrictive I found the system easy to use There is sufficient cellphone signal in the lecture venue

There is sufficient WiFi signal in the lecture venue

It is easy to connect to the system

I would prefer to download an app to my phone rather than using a mobile website

## Results: Advantages

•"The system gives easier interaction between the lecturer and the students."

•"It is very helpful in the way that we can communicate with the lecturer and provide helpful hints to improve the lecture."

•"It makes student- lecturer interaction easier as students remain anonymous."

•"it was easy to communicate a question without your identity being known as some people may be too shy or think their question is silly, therefore made it easier to ask questions.''

### Results: Disadvantages

•"Questions are not filtered for relevance to the lecture material. It distracts the lecturers."

•"Typing out a message is distracting, ie I miss what the lecturer is saying while my head is down and I'm texting."

•"The anonymity of the messages allows people to post unproductive things on the message board which is really irritating."

•"It was easy to communicate a question without your identity being known as some people may be too shy or think their question is silly, therefore made it easier to ask questions."

•"It works using the internet and reception isn't always good in certain venues.''

### Implementation improvements and future work

- Introduce a moderator
- Only allow the lecturer to view posts
- Add Visual Indicators To The System

# Questions

