Ask the Audience Style Voting via Smartphone App

Name: Konstantinos Tolias

Supervisor: Bernhard Reus

University of Sussex

What is it about?

The design, implementation and presentation of an application that applies the logic of 'clickers' and 'Turning point interactive response voting system' (Turning Technologies, 2012) to Android smartphones.

- **1/A** What are the 'Clickers'?
- **2/B** Aim of the Project
- **3/C** System Architecture

www.TurningTechnologies.com
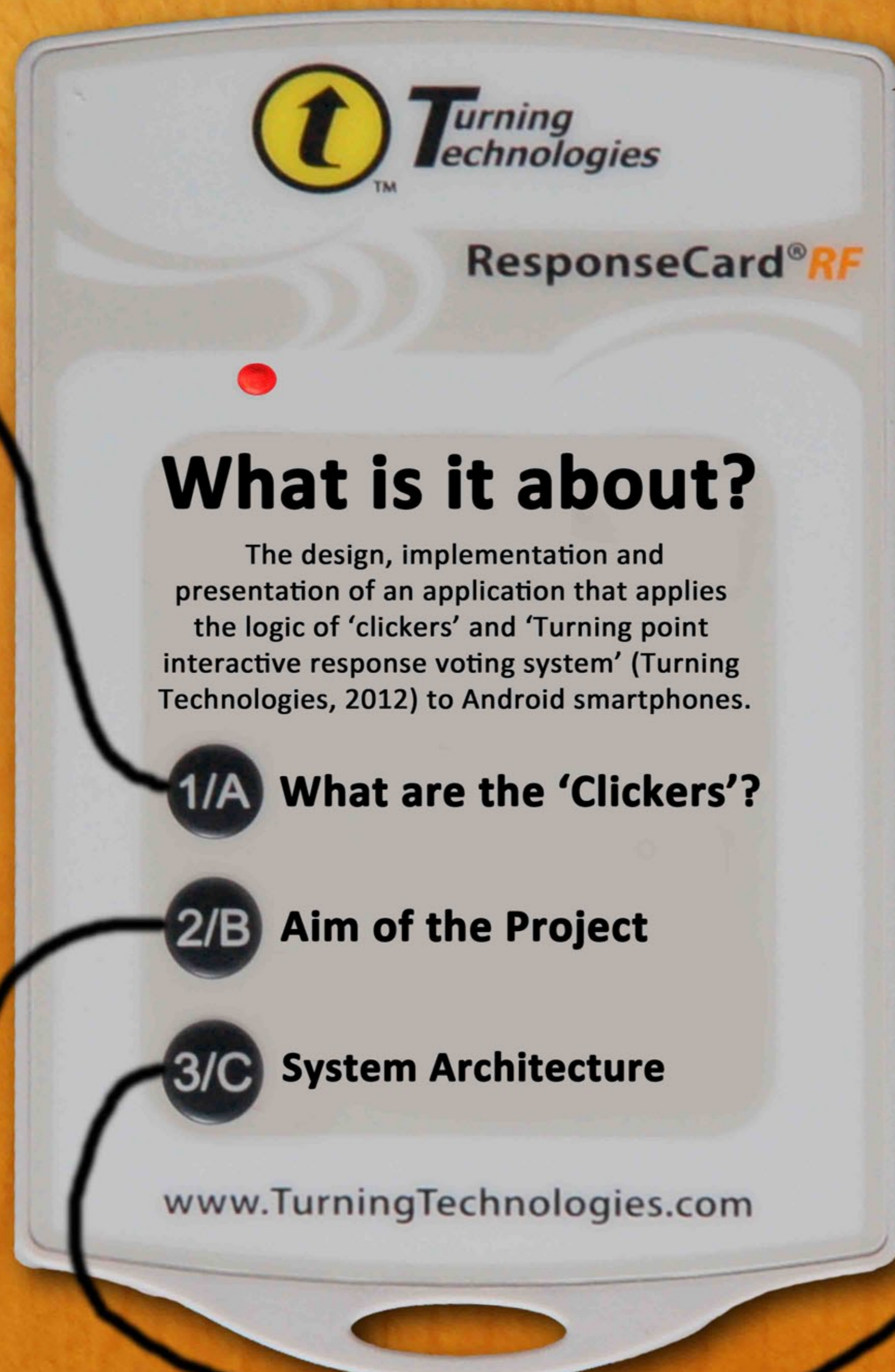
'The student response systems and audience response keyboards'.

A 'TV or stereo remote control' which has buttons that the 'students can push to register their vote' to respond to multiple-choice questions which have been composed by their tutor. The results are 'displayed as a chart on the computer screen'. (Herreid, 2006, p. 44).

Best known from the TV show 'Who wants to be a millionaire?'

They are an interesting and alternative e-learning way to keep students engaged in lectures.

Implementing the web application and the Android application which are supported by:

- A server to provide the users with the appropriate services which they are requesting for
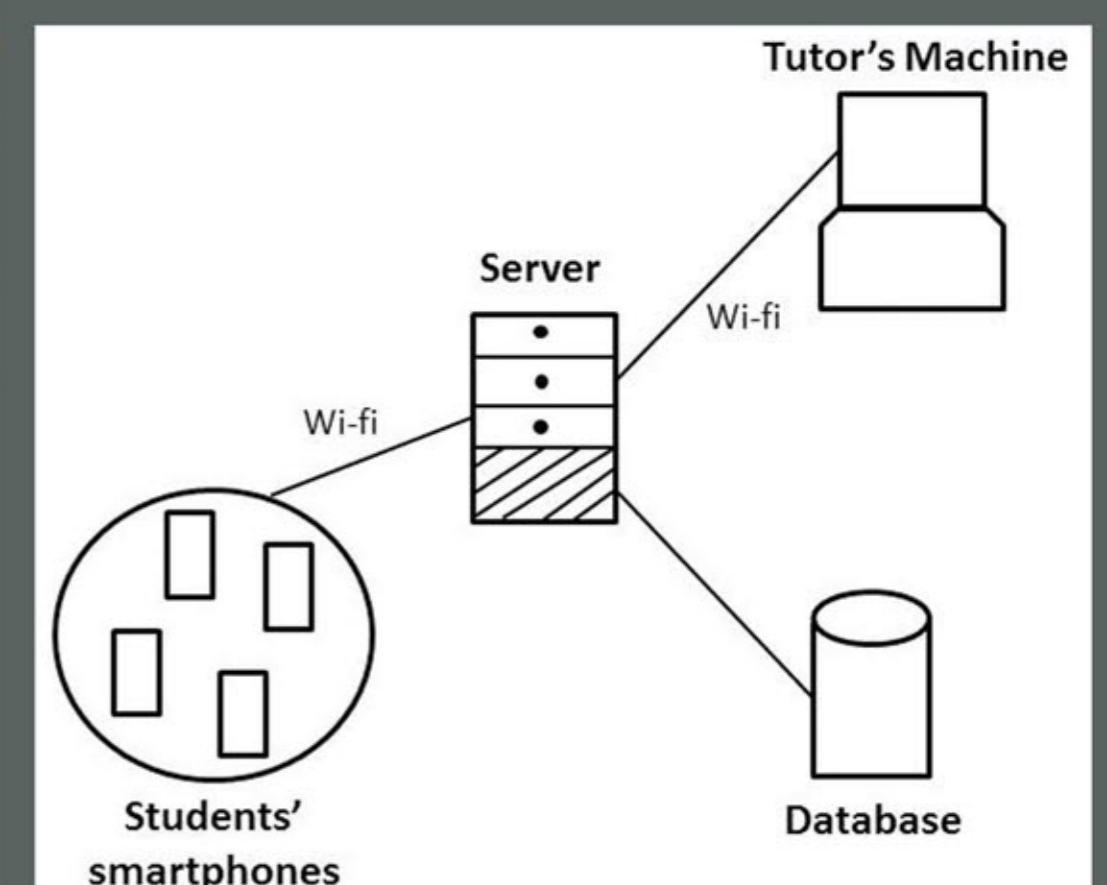- A database to store all the data needed to provide these services.

Figure 3: The connection between the different parts of the system

---

- To design a software system that applies the interactivity 'clickers' provide to Android smartphones.
- To add some extra features that are not available from the 'Turning point' system.

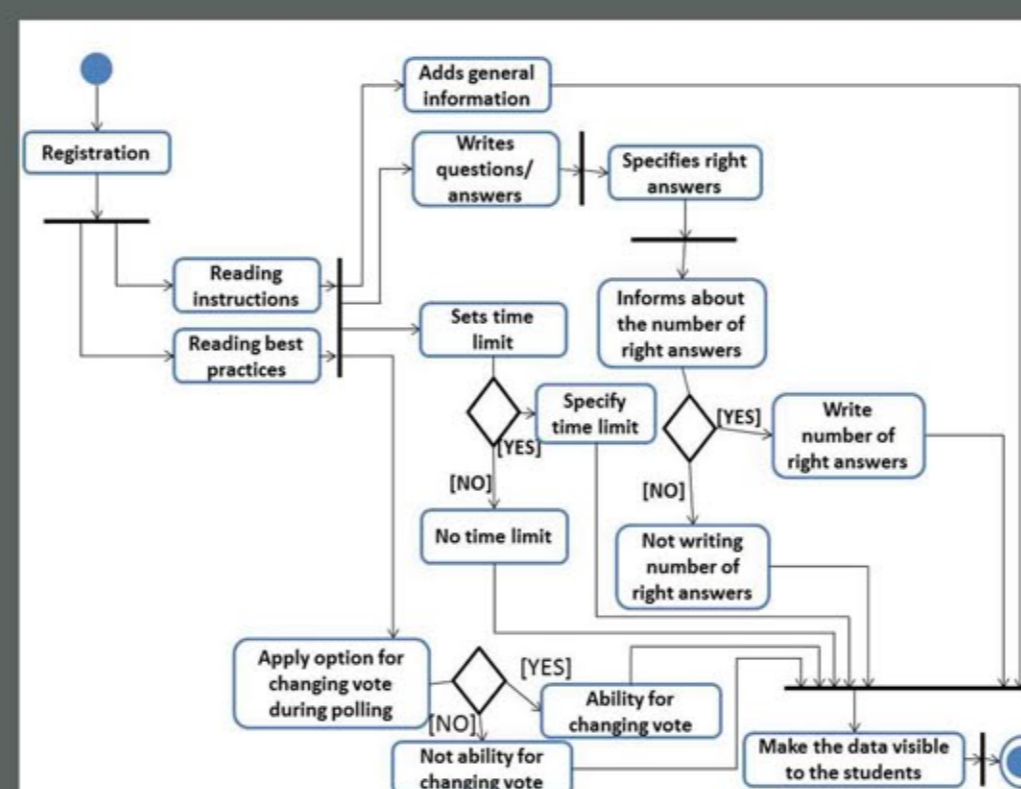To provide clickers' users with a technology of the 21st century!

Figure 1: Activity diagram of tutor uploading information to the system

---

By creating a web application for the tutor to be able to:

- Compose questions & their respective answers
- Set time limit for the students to submit an answer
- Observe the polling in real time.
- View the final results of the current polling
- Search for results of previous pollings
- Inform the students for the number of the correct answers
- Apply the option for the students to change their answer before submitting it
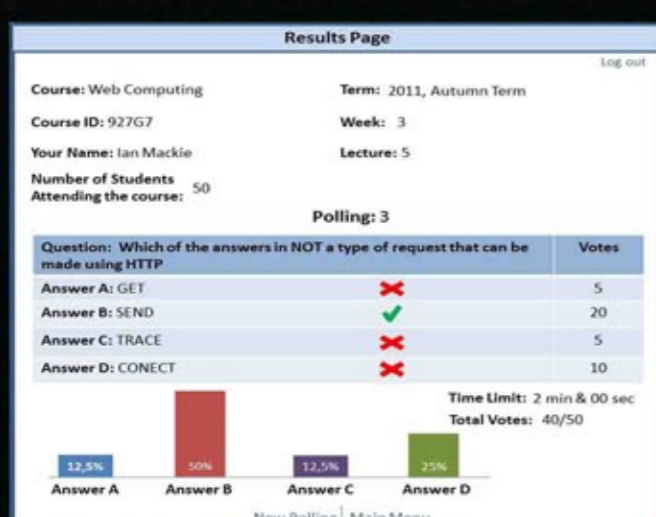

Figure 2: Prototype of the results page of the web application

---

By creating an Android app for the students to be able to:

- Respond to a polling by submitting an answer
- View the countdown to submit an answer for the question before the time expires
- To view the final general and personalized results of the current polling
- To search for the results of previous pollings

References:

1. Herreid, C. F. (2006) '"Clickers" Cases', Journal of College Science Teaching, 36(2), pp. 43-47.

2. Turning Technologies (2012) What is Turning Point. UK: Reivo Ltd. Available from: http://www.turningtechnologies.co.uk/what-is-turningpoint (accessed 13 May 2012).