

**Improving the Registration Scheme by Using JavaFX
and Web Techniques to Form a Fully Automatic System**

Sarwar Mustafa

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Abstract

Whilst taking their rules into account, this project attempted to tackle several management problems within a university administration system. Basically, the project focused on designing two applications connected to the main database which was created for this purpose. These applications included an application used by administration office and the lecturer web application. Each of the underlying applications contained different functionality and each was designed through using web technology and a JavaFX public API library. The current system faced some issues, such as the time spent and the cost; also, there was a large security gap which led to transparency being missed from the system.

In terms of creating a friendly user, it meant less human resources to achieve the required tasks. Hence, the new system solved the most part of these obstacles. Also, it provided a more reliable application which gave an authorised person the authority to control the system and manipulate data according to the university laws.

In this dissertation, the researcher's main motivation was to give priority to designing the lecture web page; this was achieved and the objectives were met. In addition, with the exception of the report section, which was left incomplete due to the time factor, the administration application met most of the requirements.