

Description of Demonstrable Modules

for

The Online Postgraduate Application Approval System for EIE

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I. INTRODUCTION

The following document gives a description of the modules developed thus far. These modules show the basic design of the proposed webpage, and also demonstrate the communication between the front-end and back-end in order to retrieve information from a database.

II. LOGIN PAGE

The first page is the login page, although not functional at this point in time this will be the first line of security when logging into the page. In future versions the user will enter their personal details and this information will be used to determine who the user is and what level of access to the page they have.

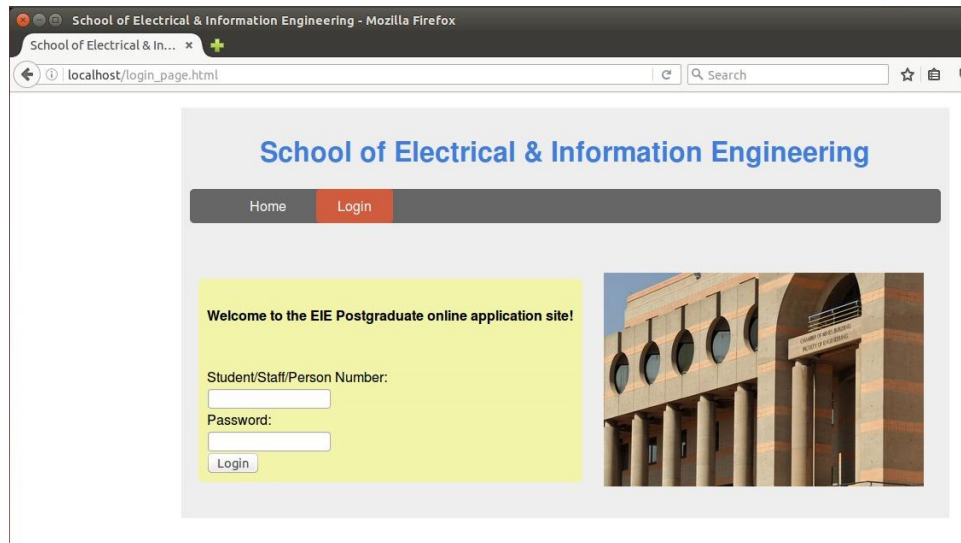


Fig. 1. Login Page

III. HOME PAGE

The next page is the home screen, extra information can be added in order to assist the user with the page and display any information that may be of use. The user will be able to navigate back to this page at any time.

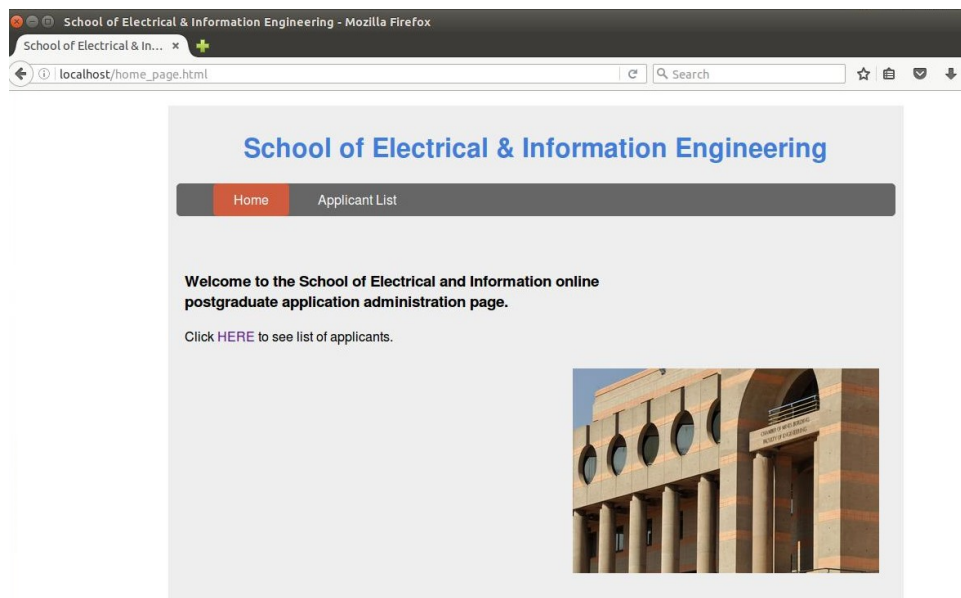


Fig. 2. Home Page

IV. APPLICANT LIST

The Applicant list shows a list of applicants that are in the process of having their applications processed. This list is populated using the created MySQL database. This is achieved by using an unconditional select query which will achieve all the information from the students_information table. In future versions this information will only be visible to respective supervisors.

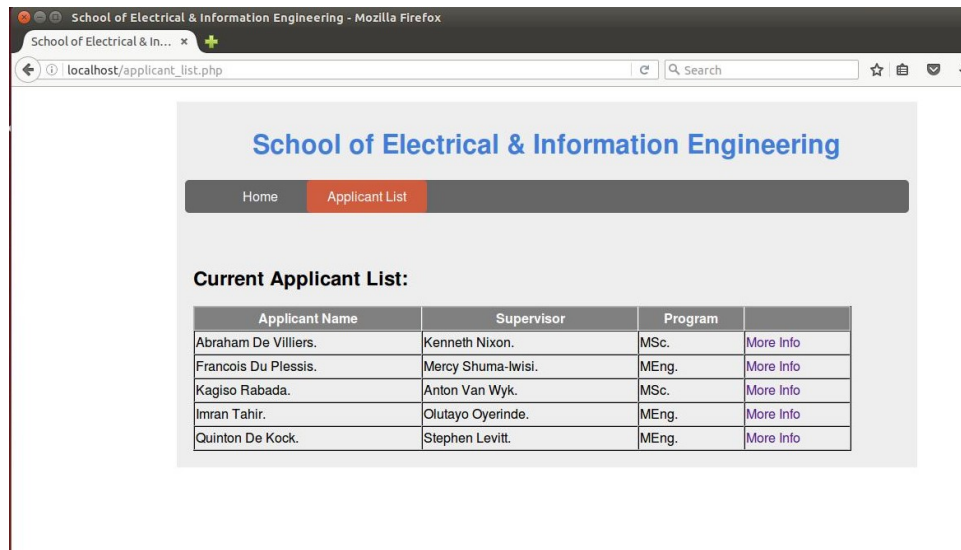


Fig. 3. List Of All Applicants

The student_information table was created and then populated with insert query to look like below

| id | name_and_surname | student_number | contact_number | potential_supervisor | undergraduate_university | program |
|----|---------------------|----------------|----------------|----------------------|--------------------------|---------|
| 1 | Abraham De Villiers | 449876 | 0825918764 | Kenneth Nixon | WITS | MSc |
| 2 | Francois Du Plessis | 421888 | 0836524879 | Mercy Shuma-Iwisi | UJ | MEng |
| 3 | Kagiso Rabada | 528695 | 0813336598 | Anton Van Wyk | UCT | MSc |
| 4 | Imran Tahir | 771423 | 0814458966 | Olutayo Oyerinde | WITS | MEng |
| 5 | Quinton De Kock | 599874 | 0725546895 | Stephen Levitt | UNISA | MEng |

5 rows in set (0.00 sec)

Fig. 4. Student_Information Table In My SQL

V. APPLICANT INFORMATION

When "More info" is selected the Applicant's information is displayed. The specific individual's is displayed; this is done by getting the relevant postgraduates id which is passed to the page though a GET request. The id is used to modify the select query for the database so that only the specific information is retrieved.

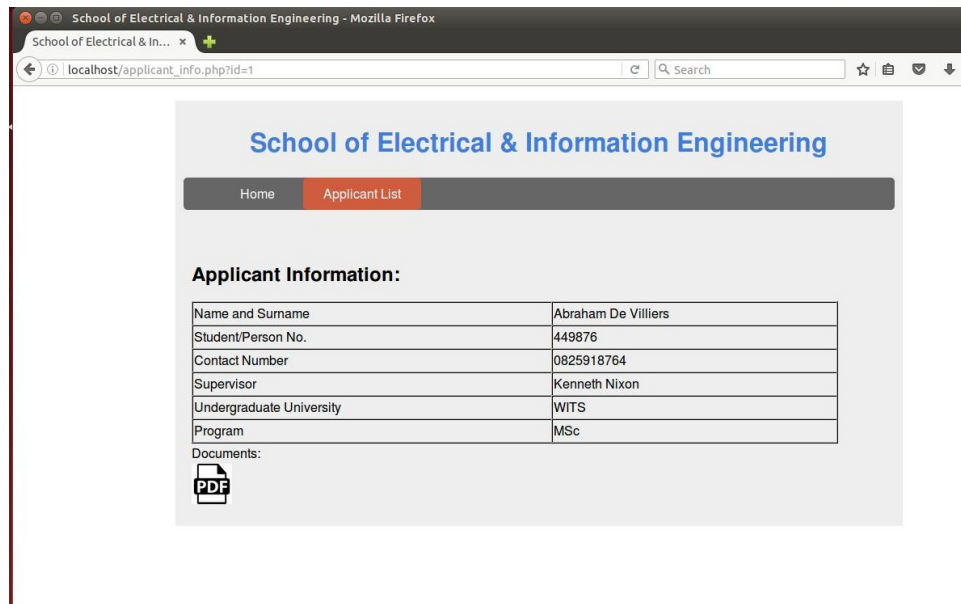


Fig. 5. An Applicant's Information Page

VI. FUTURE DEVELOPMENT

In future versions the user will navigate from this page to a decisions page that will allow him/her to approve or reject the application and give comments on the decision. These comments will be passed to the back-end.