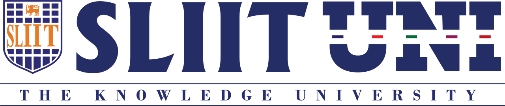
******BSc (Hons) in Information Technology**

**Specializing in Software Engineering**

**Year 3 - 2021**

**SE3040 – Application Frameworks**

**Group Project**

**<<Technical Report / User Guide>>**

<<2021S1\_REG\_WE\_29>>

<<Conference Management Tool>>

|  |  |
| --- | --- |
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Repository Link: https://github.com/Malindu-Upendra/2021\_S1\_REG\_WE\_29\_AF\_Conference\_Project.git

---For Evaluators’ use only---

Evaluator’s Name:

Comments:

**Functions**

1. Users registering to the conference.

* Types of users.
  + - Normal attendee – Filling the required details (name, email and contact number) on the form and once submitted, normal attendee is directed to the payment gateway. Once the payment is successfully made, the information about the conference is sent to the mail.
    - Researcher - Filling the required details (authorship, title, description, contact information and pdf file) on the form and once submitted, researcher is directed to the home page.
    - Workshop conductor - Filling the required details (name, title, description, contact information and pdf file) on the form and once submitted, researcher is directed to the home page.

1. Approving of research papers.

* Role = Reviewer
  + - When a research paper submitted by the researcher for the conference is approved by the reviewer, the researcher will be notified through an email to make the payment.

1. Approving of workshops.

* Role = Reviewer
  + - When a workshop requested to be conducted by the workshop conductor for the conference is approved by the reviewer, the workshop conductor will be notified through an email.

1. Declining of research papers.

* Role = Reviewer
  + - When a research paper submitted by the researcher for the conference is declined by the reviewer, the researcher will be notified through an email.

1. Declining of workshops.

* Role = Reviewer
  + - When a workshop requested to be conducted by the workshop conductor for the conference is declined by the reviewer, the workshop conductor will be notified through an email.

1. Inserting conference details.

* Role = Editor
  + - In a situation where any conference details are changed, the editor will be responsible in notifying the admin regarding the changes.

1. Finalizing the conference changes.

* Role = Admin

1. Payment.

* The payment by normal attendee and researcher. The researcher will make the payment once the research paper is approved by the reviewer. The normal attendee will make the payment once he/she has registered for the conference.

**Use Case Diagram**

Diagram

Description automatically generated

**React Component Tree**

A picture containing text, monitor, screenshot, indoor

Description automatically generated

**Usage Of Rest API**

So to use REST service we have divided in to four routes

* Admin
* Editor
* Reviewer
* User

1. Admin

~ A get method to get Actual details of Conference

~ A get method to get the Editor inserted details of the conference

~ A get method to get all the Attendees’ details that who have registered to the conference

~ A get method to get all the workshops that are approved to be conducted in the conference

~A get method to get all the research Papers that are approved to present in the conference

~A Update method to update Conference details according to Editor’s

1. Editor

~ A get method to get all the details that editor has been inserted

~ A get method to get all the keynote Speakers that editor has been inserted

~ A post method to insert the changed details of the conference

~ A post method to insert the keynote speakers

~ A delete method to delete the temporary uploaded conference details by giving the id

1. Reviewer

~ A get method to get all the research papers that are uploaded by Researchers for the conference.

~ A get method to get all the workshops that are uploaded by workshop conductors for the conference.

~ A put method to Approve the research paper that is waiting to be present at the conference

~ A put method to Approve the workshop that is waiting to be conduct in the conference

~ A put method to Decline the research paper that is waiting to be present at the conference

~ A put method to Decline the workshop that is waiting to be conduct in the conference

1. User

~ A post method to upload research paper by researchers whose willing to present their paper at the conference

~ A post method to upload workshop details by workshop conductors whose willing to do in the conference

~ A post method for normal attendees to register in the conference

**Screenshot of each mongodb collection**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, text, application, Teams

Description automatically generated**

**Graphical user interface, text, application, Teams

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case number | input | Expected  result | Actual result | Test result  (pass/fail) |
| 1 | Payment info | Return json success = true | Return json success = true | pass |
| 2 | Attendee details | Return json success = true | Return json success = true | pass |
| 3 | Id to get payment details | One object from payment table | Return json error = error.message | fail |
| 4 | Id to approve research paper | Return json success = true | Return json success = true | pass |
| 5 | Id to decline research paper | Return json success = true | Return json error = error.message | fail |