



COLUMBAN COLLEGE

Olongapo City
College of Computer Studies



Chapter 5

SUMMARY, CONCLUSION AND RECOMMENDATION

Summary

With the introduction of K-12 system, there are lot of changes, not only for the schools that will cater these, but also the students who will be in the curriculum will the most affected. The 4th year high school students will be in the new implementing education system as they take senior high school programs.

The proponents came up with the system “STRACK: Strand and Track Identifier Mobile Application System for the Columban College, Olongapo City” to help the office to work efficient and effective. The purpose of the project is to develop an effective mobile application system that accommodates the 9th, 10th and the upcoming Senior High School (SHS) students of the Columban College, Olongapo City. With this changes in our Education System, the proponents thought of a way of how we can provide guide to the students who will first experience it to choose which tracks/strands best suit them with their personality, grades, and in a simple examination. The system has three significant modules. The limitation of this system is that it will be only available online.

Before developing the system, the proponents interviewed the Basic Ed. High School Principal about the current system. As the interview happened, the respondents give the specific requirements and features they want for the system. The objectives of the system answered all of the requirements and problems by developing an information system. In developing the system, the proponents created UML Diagram, Data Dictionary, and Use Case Diagram to help the user in understanding the system.



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The “STRACK: Strand and Track Identifier Mobile Application System for the Columban College, Olongapo City” was done by using the spiral model that best suits the system. In implementing the system, the proponents cited hardware and software specification that will be the basis of the user.

After the code was developed, the proponents tested the code to make sure that the product is solving the needs addressed and gathered during the requirements phase. During this phase unit testing, system testing and acceptance testing are done.

Conclusion

The objectives of this project were answered by the proponents in developing the “STRACK: Strand and Track Identifier Mobile Application System for the Columban College, Olongapo City” wherein the system can generate a more rapid and precise exam results in lesser time needed than the evaluation system. The system will check the examinations automatically rather than checking it manually. The system provides guidance for the incoming senior high school students, guidance on which strand they belong using their knowledge. The system helps the school to assess the students to which strand or track is he/she best suited.

Recommendations

The following are the requirements and enhancements that the proponents can suggest for the further versions of the proposed system:

- The system should also cover the Columban College Barreto Campus.
- Email notification will alert the High School Principal’s Office if a student should take the assessment.
- Tracking of student records by giving respective accounts.
- Survey to compare online system with paper based system by considering the response rates from the students and their comments.
- Provide data analytics that will help the High School Principal in providing reliable reports in making better decisions.



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Guillienne Bernal



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Address: 23- San Pedro St. Holy Spirit, Tabacuhan, Olongapo City, Philippines 2200

Skills

HTML, CSS, PHP, MySql, C++, Java, Photoshop

Personal Information

Nationality: Filipino

Sex: Female

Status: Single

Date of Birth: 01/10/1998

Place of Birth: Olongapo City

Educational Background

2004-2010: St. Joseph College, Inc.

2010-2014: Tinian Junior Senior High School

2016-present: Columban College, Inc.

Awards and Achievements

Seminars and Training Experiences

SSITE 2016



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Skills

Knowledgeable in PHP, Python, Java, AngularJS, .Net and other languages

Personal Information

Nationality: Filipino

Sex: Male

Status: Single

Date of Birth: 11/21/1993

Place of Birth: Olongapo City

Educational Background

2004-2010: Sta. Rita Elementary School

2010-2014: Gordon Heights National High School

2016-present: Columban College, Inc.

Awards and Achievements

Seminars and Training Experiences

StraightArrow/CreativeNation PH: Adobe Photoshop CC 2018, TORO System Administration
2017



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Skills

Prototyping: HTML/CSS, Javascript, Programming: Java, C++, Ruby, Php, Graphics: Photoshop, Illustrator, Sketch

Personal Information

Nationality: Filipino

Sex: Female

Status: Single

Date of Birth: 01/12/1998

Place of Birth: Olongapo City

Educational Background

2004-2010: Matain Elementary School

2010-2014: Barretto National High School

2014-present: Columban College, Inc.

Awards and Achievements

Seminars and Training Experiences

SSITE 2016, Y4IT: Research Summit 2018, StraightArrow/CreativeNation PH: Adobe Photoshop CC 2018



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APPENDIX B

December 19, 2017

Mr. Segundo C. Redondo Jr. Ed. D.
Principal
Senior High School Department

Dear Mr. Redondo:

We, the students of the College of Computer Studies are taking up BSIT24/BSCS24 – System Analysis and Design, where one of our course requirements is to design a system for Columban College.

In line with this, we would like to conduct an interview regarding our proposed system. May we ask your good office to provide us a schedule to conduct our interview regarding this matter?

We assured you that the information that we will be gathered, will remain confidential and it will be used for our subject only.

Thank you very much and looking forward for your favorable response on this matter.

Respectfully yours,

Ivan Christopher Ebuenga
Proponent

Frenole Verse Eduvane
Proponent

Guillienne Bernal
Proponent

Noted by:

Recommending Approval:

Ms. Gemma T. Tapado
SAD Adviser

Engr. Noel H. Yap
Dean of College of Computer Studies



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QUESTIONS THAT ASKED DURING THE INTERVIEW

- Is there a current system for the grade 10 students to take the assessment?
- What processes in each service you have?
- What examinations that your office have?
- What kind of system do you want to implement in your office?
- Who can manipulate the data under the High School Department Principals Office?