MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

INTERNATIONAL INFORMATION TECHNOLOGY UNIVERSITY

Rodionova A.V.

The development of the universal web-application for the resource management of programming school

DIPLOMA PAPER

Major 5B070300 – Information Systems

Almaty 2016

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

INTERNATIONAL INFORMATION TECHNOLOGY UNIVERSITY

FACULTY OF INFORMATION TECHNOLOGY

Department of Information System

APPROVED

Head of the Department,

Candidate of Technical Sciences,

Professor of Russian Academy

of Natural Sciences

_____V.V.Serbin

«_____» _____2016

DIPLOMA PAPER

Topic: **The development of the universal web-application for the resource management of programming school**

STUDENT: **GROUP IS 126 R**
                                 RODIONOVA ALEXANDRA   _____
                                 «__» _____201_ г

SUPERVISOR: **SENIOR LECTURER**
                                 ZHUANYSHEV I.O.   _____
                                 «__» _____201_

REVIEWER: **PROFESSOR,**
                             HEAD OF KBTU COMPUTER
                             ENGINEERING DEPARTMENT
                             ATYMTAYEVA L. B
                                 «__» _____201_   _____

Almaty 2016

International Information Technology University
Faculty of Information Technologies

Department of IS
Major 5B070300 – Information Systems

Diploma Paper Assignment

Student
Rodionova Alexandra Valeryevna

Diploma paper (project) topic
The development of the universal web-application for the resource management of programming school

Approved by IITU order № ___ dated
«____» _____ 20__

Diploma paper submission date _____

Diploma paper initial data
– Analysis worksheet of similar projects
– Primeface library
– Intellij IDE.

Details of computations and explanations (list of issues due to be addressed)
– Study the problem statement
– Analysis of the analogical web-applications
– Review of the technologies used
– The development of the universal web-application for the resource management of programming school
– Rationale for the economic efficiency
– Compliance with the rules of labor safety

CD containing the digital version of diploma paper and attachments
– Diploma paper
– Source code
– Presentation

Consultations on diploma paper (with related project chapters named)

Chapter	Advisor/Consultant	Signature, date		
		Assignment given		Assignment received
Consultant on Economics	Berdykulova G.M. Candidate of Economic Science, Professor			
Consultant on labor safety and industrial ecology	Davletova S.K. Candidate of Biological Science, Assistant professor			
English language consultant	Pak N.S Candidate of Philological Sciences, Docent			
Compliance monitor	Syrymbayeva A.M. Master of Technical Science, Lecturer			

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Date «____» _____ 20___

Research advisor_____
                                                           (signature)
Assignment received by_____
                                                           (signature)

International Information Technology University

Diploma paper writing schedule
Student of <u>IS126-R</u> group 4th course

Rodionova Alexandra Valeryevna

Topic: "The development of the universal web-application for the resource management of programming school"

№	Assignment	Submission date	Comments
1.	Creation of the graduation paper writing schedule; submission to Department	30 November	
2.	Collection, study, processing, analyzing and generalizing data	November – December	
3.	Drafting and submission to the Research advisor Introduction Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 5 Conclusion	January – February	
4.	Revision of the graduation paper with due consideration of the advisor's comments	March -April	
5.	Submission of the completed graduation paper to the Research advisor	15 April	
6.	Pre-defence	4 May	
7.	Submission to the reviewer for approval	25 May	

8.	Compilation of the graduation paper presentation for the State Attestation Commission	4 May	
9.	Graduation paper presentation to SAC	25 May - 13 June	

Student   Rodionova A.V.   _____
                                                                      (signature)

Research advisor   Zhuanyshev I.O.   _____
                                                                      (signature)

Date «____» _____ 20___

REVIEW

on the diploma work
of International Information Technologies University student
Yebekenova Azhar
on "Development of electronic workflow application for IITU"

The diploma work of Yebekenova A. dedicated to development of the project, which provides automation of the university workflow. The project automates the major operations such as the creation of new roles and users, adding the document, submission for signature and signing applications that increases the efficiency of document management.

The author could reflect the importance of the application in the analytical part with specific elaboration of existing applications, the structural analysis of algorithms and convincing arguments. Careful and qualitative analysis of domestic and international resources that are related to the optimization of document management systems were done at the beginning of the development.

Generally, I would like to emphasize the approach of the author to the project, the featured development logic, consistency and content of chapters that allows deeply and objectively reveal the theme of the diploma work.

The work consists of analytical, practical, testing, economical and labor safety parts correspondingly with standards.

The analytical part contains the analysis of methods, tools and technologies related to the project that enables using advanced development approach.

The practical part includes the description of the architecture and functionality of the system with technical details using UML diagrams which provides a standard way to visualize the design of the system.

The results of the work and findings of the project are discussed in the conclusion part.

I confirm that the diploma work of Yebekenova A. is independent and fully complete. The work was done in accordance with the state standard and deserves the mark "excellent", i.e. 100, the author of the work Azhar Yebekenova corresponds to the qualification of Bachelor of Information Systems.

Reviewer,   _____   Atymtayeva L. B.
professor, head of department of
Computer Engineering of the KBTU   «____» _____ 2016

International Information Technology University
Department of Information Systems

REVIEW
Graduation paper by student Rodionova Alexandra
Faculty of Information Technologies
Research advisor
Senior Lecturer Zhuanyshev I.O.
Topic of diploma paper: "The development of the universal web-application for the resource management of programming school"

The diploma work of Rodionova A. dedicated to development of the universal web-application for the resource management of programming school.

Content of the work tells us about what author proved himself as competent expert, able to work independently with the special literature, which knows how specify and formalize the task and solve it practically. The work is framed in accordance with the requirements, contains analytical tables, graphs and figures that increase the visibility of the text material.

The topic of work is current and relevant in the need to use modern technology to increase the computer literacy of the population.

The structure of this thesis is consisted the introduction, five chapters, conclusion, references, appendix and it's presented 15 slides.The introduction includes the relevance of this paper, goals and objectives. In the first chapter author provide an analysis of the similar projects, a review of the education programming in Kazakhstan and the world, an overview of the advantages and disadvantages of distance learning. The second chapter describes the selected technologies and tools to create a universal and modern web-application. The third chapter describes the details of the project, i.e. architecture, database structure, module parts. Fourth and fifth chapters contain the economic justification of the project, labor protection and safety.

I consider that this work is performed fully by Rodionova A.; conforms to requirements imposed to theses by the higher school; it deserves an assessment "excellent" (95%); and the student Rodionova A. deserves an assignment of the academic degree "the bachelor of equipment and technologies" in the specialty 5B070300 "Information systems".

Reviewer,   _____   Atymtayeva L. B.
professor, head of department of
Computer Engineering of the KBTU   «____» _____ 2016