

Project Proposal

Project Name:

eExam - Computer Based Testing - VB6 + MS Access

Abstract:

Today most of the education institute is using manual system for preparing question paper or they are using word processor like MS Word, spread sheet like MS Excel application to prepare question paper and taking exam manually. In this proposed Online Examination System it will run in client server mode and user can add edit question master, prepare question papers, give test and view results. System will store question bank, user can prepare question paper for any subjects. The eExamination - Online Examination System is used to overcome the entire problem which they are facing currently, and making complete atomization of manual or semi automatic process of examination process. This project of "ONLINE EXAMINATION SYSTEM" of gives us the complete control of question paper and online test process.

Throughout the project the focus has been on presenting information and comments in an easy and intelligible manner. eExamination - Online Examination System is a very simple, flexible and user-friendly system specially for small and medium size educational institute. eExamination stores complete records of the subject, question, answers, tests and results. eExamination is a complete computer based examination solution make this complicated function look much easier. The software is user-friendly.

Features and Advantages

- Provides complete client server solution, including managing question bank, giving tests, storing of results.
- The eQuestion system can automatically add the marks allocated in each question to determine the total mark for the test.
- Using this feature the questions can be selected from the question Bank, and also the appearance of questions in the random order.
- Additional to the already available questions in the question bank, the system user has the ability to add more questions as per the subject.
- System users also have the ability to modify the user-defined questions and not the already available questions in the question bank.
- Question paper can be saved or print for further use.
- Test result must save and can be retrieving later on.

Modules:

Examination Master, Question Bank, Answers, Test, Result, User Master, View Result, View correct Answer, Generate Question Paper etc.

To buy complete ready to submit synopsis, project report, source code, and data base script.

Please contact **R. M. Solution.** 📞 +91-9920329254, 📠 +91-22-28550428,

✉ : info@readymadeproject.com or ajprofessionals@gmail.com

🌐 www.readymadeproject.com

Software Requirements:

- VB 6
- MS Access

Hardware Requirements:

Processor: Preferably 3.0 GHz or Greater.

RAM : 1 GB or Greater.

Limitations of the Software:

This project was developed to fulfill user requirement; however there are lots of scope to improve the performance of the eQusetion System in the area of user interface, database performance, and query processing time. Etc.

Future Enhancements:

- Linking and integration of other educational application.
- Integration with university database through Web Services

Project Details:

- No of Form, Pages, Reports in project source : 15
- No of database tables : 7
- No of pages in project report : 112

Project Demo:

https://youtu.be/_yxti0-cPvE

For buy this project:

<https://readymadeproject.com/FullProjectDetail?id=119>

<https://readymadeproject.com/QuickPay?id=119&type=cs>

To buy complete ready to submit synopsis, project report, source code, and data base script.

Please contact **R. M. Solution.** 📞 +91-9920329254, 📠 +91-22-28550428,

✉ : info@readymadeproject.com or ajprofessionals@gmail.com

🌐 www.readymadeproject.com

Project Report Table of Content:

Topic / Contents	Page No.
<u>1. Problem Definition and scope of project</u>	6
<u>1.1 Purpose</u>	6
<u>1.2 Objective</u>	7
<u>1.3 Drawbacks of Present System</u>	8
<u>1.4 Proposed System</u>	8
<u>1.5 Project Scope</u>	9
<u>1.5.1 Modules</u>	9
<u>1.6 Technologies</u>	10
<u>1.6.1 Operating Environment</u>	10
<u>1.6.2 Deployment Environment</u>	11
<u>1.6.3 Development Tools and Technologies</u>	12
<u>1.6.4 Development Environment</u>	14
<u>2. Overall Description</u>	15
<u>2.1 User Characteristics</u>	15
<u>2.1.1 System User</u>	15
<u>2.1.2 Administrator</u>	15
<u>2.2 Assumptions</u>	15
<u>3. System Features</u>	16
<u>3.1 System features</u>	16
<u>3.1.1 Description:</u>	16
<u>3.1.2 Constraints</u>	16
<u>3.1.4 Action/result</u>	16
<u>4. Requirement Analysis</u>	17
<u>4.1 Business goals</u>	17
<u>4.2 Design goals</u>	18
<u>4.3 Feasibility Study</u>	19
<u>4.3.1 Economic Feasibility</u>	19
<u>4.3.2 Technical Feasibility</u>	19
<u>4.3.3 Behavioural Feasibility</u>	19
<u>4.4 Business Requirements</u>	20
<u>4.5 User Requirements</u>	21
<u>4.5.1 System User</u>	21
<u>4.5.2 Administration</u>	22
<u>4.6 Operational requirements</u>	22
<u>4.7 System Requirements</u>	23
<u>4.8 System Constraints</u>	23

To buy complete ready to submit synopsis, project report, source code, and data base script.

Please contact **R. M. Solution.** 📞 +91-9920329254, 📠 +91-22-28550428,

✉️ : info@readymadeproject.com or ajprofessionals@gmail.com

🌐 www.readymadeproject.com

<u>5. Nonfunctional Requirements</u>	24
<u>5.1 Performance Requirements</u>	24
<u>5.2 Availability Requirements</u>	25
<u>5.3 Reliability Requirement</u>	27
<u>5.4 Scalability Requirement</u>	28
<u>5.5 Security Requirements</u>	32
<u>5.6 Interoperability</u>	34
<u>6. Project Management</u>	35
<u>6.1 Spiral Model:</u>	35
<u>6.2 Phases of Spiral Model:</u>	37
<u>6.2.1 Planning Phase:</u>	37
<u>6.2.2 Risk Analysis Phase:</u>	37
<u>6.2.3 Engineering Phase:</u>	38
<u>6.2.4 Customer Evaluation Phase:</u>	38
<u>6.3 Nature of Spiral Model:</u>	39
<u>6.4 Estimation</u>	40
<u>6.4.1 Basic COCOMO</u>	40
<u>6.4.2 Function Point Estimation</u>	42
<u>7. Preliminary Design</u>	44
<u>7.1 Use Case</u>	44
<u>7.2 Specification of actors</u>	45
<u>7.2.1 User</u>	45
<u>7.2.2 Administrator</u>	45
<u>7.3 Specification of Use Cases</u>	46
<u>7.4 Process Flow Chart</u>	56
<u>7.5 ER Diagram 1</u>	57
<u>7.6 Schema Diagram</u>	58
<u>7.7 Data Dictionary</u>	59
<u>7.7.1 Table: answer_master</u>	59
<u>7.7.2 Table: exam_master</u>	60
<u>7.7.3. Table: member_master</u>	61
<u>7.7.4 Table: question_master</u>	62
<u>7.7.5. Table: test_master</u>	63
<u>7.7.6 Table: user_master</u>	64
<u>7.8 Data Flow Diagram DFD</u>	65
<u>7.8.1 Context Level</u>	65
<u>7.8.2 Level 1 (High Level Diagram)</u>	66
<u>7.9 Class Diagram</u>	67
<u>7.10 Project Planning And Scheduling</u>	68
<u>Hardware Interfaces</u>	68

To buy complete ready to submit synopsis, project report, source code, and data base script.

Please contact **R. M. Solution.** 📞 +91-9920329254, 📠 +91-22-28550428,

✉️ : info@readymadeproject.com or ajprofessionals@gmail.com

🌐 www.readymadeproject.com

<u>7.11 Scheduling</u>	70
<u>7.11.1 Gantt chart:</u>	71
<u>7.11.2 PERT chart:</u>	72
<u>8 Coding and Interface</u>	72
<u>8 Coding and Interface</u>	73
<u>8.1 eExamination Splash Screen</u>	73
<u>8.2 eExamination – Login Screen</u>	75
<u>8.3 eExamination – Main Screen</u>	78
<u>8.4 eExamination – Users</u>	81
<u>8.5 eExamination – Change Password</u>	87
<u>8.6 eExamination – Examination Master</u>	90
<u>8.7 eExamination –Question Answer</u>	94
<u>8.8 eExamination – Start Test</u>	100
<u>8.9 eExamination – Examination</u>	103
<u>8.10 eExamination – Result</u>	107
<u>8.11 eExamination – Question paper</u>	109
<u>8.12 eExamination – View Result</u>	114
<u>9. Test Plan</u>	116
<u>Introduction</u>	116
<u>9.1 Test Scope</u>	116
<u>9.2 Test Strategy</u>	116
<u>9.3 Preconditions</u>	117
<u>9.4 Test Priorities</u>	117
<u>9.5 Test Techniques</u>	118
<u>9.6 Test Organization</u>	118
<u>Roles and Responsibilities</u>	118
<u>9.7 Deliverables</u>	118
<u>9.8 Test Environment</u>	119
<u>Hardware and Software</u>	119
<u>9.9 Testing Automation Software</u>	119
<u>9.10 Application Configuration</u>	119
<u>9.11 Test Management</u>	120
<u>9.12 Testing Schedules</u>	120
<u>9.13 Threats to Testing</u>	120
<u>10. Future Enhancement</u>	121
<u>11. Bibliography</u>	122
<u>11.1 Websites</u>	122
<u>11.2 Books</u>	122

To buy complete ready to submit synopsis, project report, source code, and data base script.

Please contact **R. M. Solution.** 📞 +91-9920329254, 📠 +91-22-28550428,

✉️ : info@readymadeproject.com or ajprofessionals@gmail.com

🌐 www.readymadeproject.com