

Hemingway CBA[®]: Computer Based Assessment Solution

YOUR RELIABLE, FLEXIBLE & ALL-IN-ONE COMPUTER
BASED ASSESSMENT SOLUTION

Our Solution Proposal

Powered by



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Hemingway CBA® is a web based software solution for electronic exams that enables educators, teachers and trainers to author, schedule, deliver, and report on quizzes, tests and exams.

“By 2020, 60% of all educational institutions in Nigeria will run three-quarters of their assessments and examinations through computer-based means” --- Nucleus Research (2014)

NEEDS ANALYSIS

One of the major requirements for schools and organization is the need to automatically, schedule assessment & exams, grade scores and ability to schedule exams at multiple locations at a single time. This needs cannot be solved with Pen-and-Paper based Testing (PPT).

Hemingway CBA® is the right tool to solve your needs it is an efficient way to provide a secure, consistent environment for Assessment and examination while significantly increasing the candidate's experience

COMPUTER BASED ASSESSMENT (CBA®) VS PEN-AND-PAPER TESTING (PPT)

Advantages of CBA® over traditional Pen- and-Paper Testing (PPT)

- Increased Delivery, administration and grading efficiency
- Reduced costs from many elements of the testing life cycle
- Improved test security due to electronic transmission and encryption
- Consistency and reliability
- Faster Decision making as the result of immediate grading and reporting
- Unbiased test administration and grading
- Fewer response entry and recognition errors
- Evolutionary step towards future testing methodologies
- Faster and more controlled test revision process with shorter response time
- Increased examinee acceptance and satisfaction

HOW IT WORKS

The Hemingway CBA® Solution is a web based system that automates all assessment phases: authoring, scheduling, delivering, and reporting. It is easy to use and flexible. Users connect to the Hemingway CBA® system using any Web-browser like Google chrome, Mozilla Firefox or Internet Explore etc. It is the ideal and perfect solution for computer based testing/examination/assessment.

CORE MODULES



Unique Test



Content Management



Reports and statistics



Flexibility & Configurability



System Administration & Support



Assessment Scheduler



Data Import & Export



Accessibility & Usability



Security

QUESTION FORMAT

The Hemingway CBA® supports four question types:

- a.
- b.
- c.

MCSA (Multiple Choice Single Answer)
The test taker can only specify one correct answer (radio button).

- a.
- b.
- c.

MCMA (Multiple Choice Multiple Answer)
The test taker may select all answers that apply (checkbox or radio).

- a.
- b.
- c.

ORDER (Ordering Answers)
The test taker has to select the right order of the alternative answers.

Lorem ipsum dolor sit amet, consectetur adipiscing

TEXT (free-answer questions, essay questions, subjective questions, short-answer questions)

ASSESSMENT SECURITY FEATURES



KEY FEATURES

- Web Based and Cross-Browser Compatible (Firefox, Safari, Internet Explorer, Google Chrome)
- Mobile Compatible for tablets, smart phones, etc.
- Flexible Question Import (MS Excel, MS Word)
- Support for Questions with Image Extract
- Unlimited Question Categorization
- Support for Question schedule history
- Multiple Assessment Types (Single Choice, Multiple Choice, Short Answer, True/False, Essay)
- Instant Scoring/Rescoring
- Provision of Exam Taker Feedback Report
- Over 40 Pre-built reports
- Ability to integrate customized reports (defined by end user)
- Automated Data backup
- Dedicated User Account Management
- Unlimited Question Databank Structure
- Unlimited Candidate Profile
- Role based Access Control
- Collaboration tool for Instructors and Administrators
- Branded CBA® Web Portal
- Onsite and Online Deployment Options
- Question Randomization Option
- Answer Randomization Option
- Very Secure, Audit Trail Logs and Real time Tracking
- Dedicate Telephone and Email Support
- Synchronised assessment clock timer



05 RELIABILITY
Guaranteed 24-7 stable operation without any form of failure



04 FLEXIBILITY
Increased delivery, scheduling administration and scoring efficiency



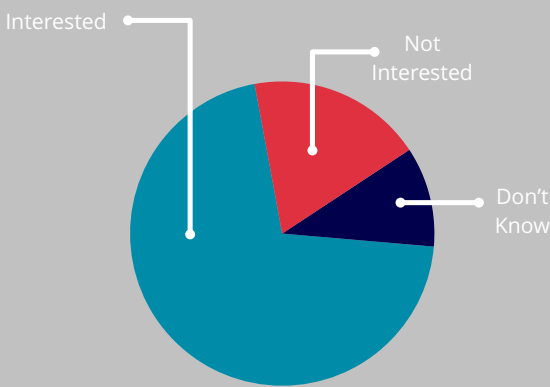
03 SPEED
Easily and quickly access candidate's data, scores and results in real-time



02 AUTOMATION
Complete assessment process automation



01 VALUE
Low TCO, leverage IT for your Exams



SUMMARY REPORT

CBA® Adoption Survey Report in Nigeria

Market Survey was carried out on 100 organizations; see the report below:

"85% of 100 surveyed organizations in Lagos, Asaba, Kano, Enugu Niger and Port Harcourt embraced the CBA® platform and are willing to sign up to the solution as a means of conducting an e-Assessment, e-Testing or e-Examination."

SUMMARY FEATURES



TIME MANAGEMENT

Impartial marking of exam



ANALYTICAL REPORTS

Report and Performance Monitoring



SECURED EXAMINATION

No paper leaks or exam leaks



COST REDUCTION

No printing required



CONVENIENT AND EASY TO USE

Convenient to students and teachers



FLEXIBLE SCHEDULING

Import & Export of questions in different format (web and excel)
Individualized testing environment



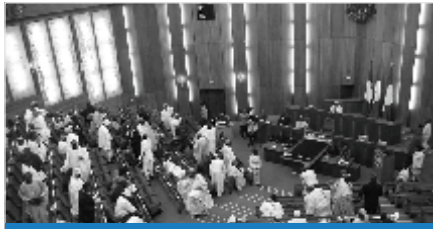
Primary & Secondary Schools



Tertiary Institutions



Corporate Organizations



Government



Military & Paramilitary

HEMINGWAY CBA® FOR PRIMARY AND SECONDARY SCHOOLS



PROSPECTIVE STUDENT

- | Admission Aptitude Test

MEMBERS OF STAFF

- | Employee Evaluation Test
- | Promotion Examination

ADMITTED STUDENTS

- | Mock Examination Internal
- | Assessment, Tests and Examinations
- | SSCE/UME/ JAMB

PROSPECTIVE EMPLOYEES/ JOB SEEKERS

- | Employment Aptitude Test
- | Practice Test
- | SAT Practice Test

HEMINGWAY CBA® FOR TERTIARY INSTITUTIONS



UNIVERSITIES

POLYTECHNICS

COLLEGE OF EDUCATION

Usage Scenario

| PUME Screening Test

| Prospective Employee Aptitude Test

| Under-graduate Departmental & Faculty Assesment & Examination

| Internal Scholarship Examination

| Post-graduate Departmental & Faculty Assesment & Examination

HEMINGWAY CBA® FOR CORPORATE ORGANIZATIONS



BANKS

OIL & GAS

INSURANCE

CONGLOMERATE

MANUFACTURING

PRIVATE ORGANIZATIONS

etc

Usage Scenario

| Prospective Employees Aptitude Test

| Staff Evaluation Assessment

| Employee Promotional Exams

| Training and Project Review Assessment

HEMINGWAY CBA® FOR GOVERNMENT



[CIVIL SERVICE](#)

[MINISTRIES](#)

[DEPARTMENTS](#)

[AGENCIES](#)

[STATE GOVT.](#)

[LOCAL GOVT](#)

Usage Scenario

Prospective Employees Aptitude Test

Staff Evaluation Assessment

Employee Promotional Exams

Training and Project Review Assessment

HEMINGWAY CBA® FOR THE MILITARY & PARA-MILITARY



[POLICE FORCE](#)

[ARMY](#)

[NAVY](#)

[AIR FORCE](#)

[CUSTOMS](#)

[CIVIL DEFENCE](#)

[PRISONS](#)

[IMMIGRATIONS](#)

Usage Scenario

Prospective Employees Aptitude Test

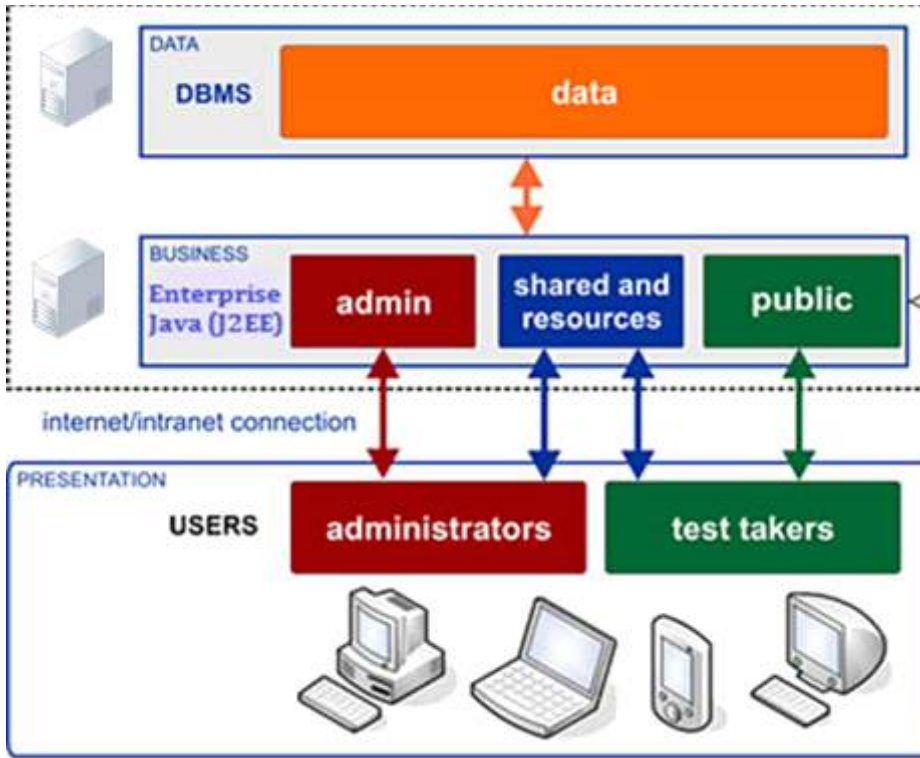
Staff Evaluation Assessment

Employee Promotional Exams

Training and Project Review Assessment

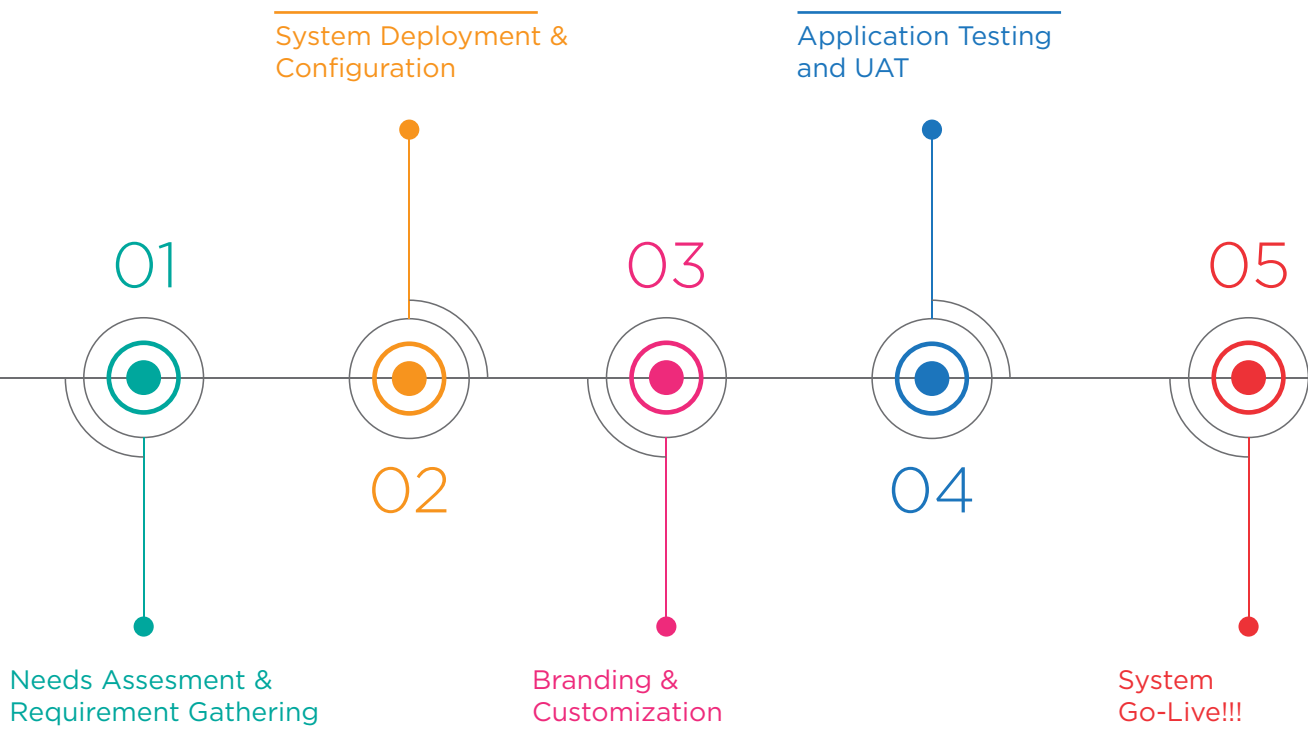
SOLUTIONS ARCHITECTURE

The diagram below summarizes the solution architecture



DEPLOYMENT METHODOLOGY

These are the milestones that will be reached during the Deployment of the Hemingway CBA®



DEPLOYMENT OPTIONS

We have two deployment options:

Option 1: Cloud Deployment

The Hemingway CBA® application and database server will be securely setup and hosted in one of our dedicated cloud servers online.

In compliance with best practices, a reliable backup & data replication server will be setup in an undisclosed location periodic data backup from the cloud servers.

Suitable For:

- Very large organization
- Organizations with multiple branches
- Scenarios where users/candidates can access the system from anywhere at anytime

Option 2: On-Premise Deployment

The Hemingway CBA® application and database server can be deployed on-site at the client's premises. A local area network is needed to access the system. Data backup to tape is used for this deployment option.

Suitable For:

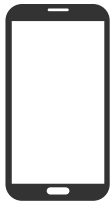
- Small and Medium Organizations
- Organizations with one branch/one location
- Scenario where users/candidates must be physically present at the testing venue

CLOUD DEPLOYMENT	ON-SITE DEPLOYMENT
Constantly Available	Available on-demand
Automated Server & Security updates	Physical action needed for upgrade
Access from anywhere at anytime	Access only from within the LAN/WAN or VPN
No power failure or Network issues	Power & Network System stability determines accessibility rate to the system
Inability to sabotage the system	Organization physical security policy determines the physical security of the server
Hot swapping capability (upgrading without down time)	Hot swapping not available
Speed depends on users internet Connection (relatively average speed)	Fast & very high speed of access to the system

COMPATIBILITY INDICES

The Hemingway CBA solution is a cross-compatible system. See the compatibility indices below:

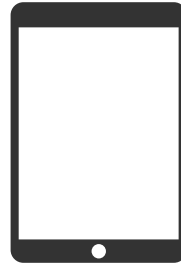
DEVICE COMPATIBILITY



Mobile Phone



Desktop and Workstations



Tablet



Laptop

BROWSER COMPATIBILITY



Firefox
(version 3.x & above)



Internet Explorer
(version 3.x & above)



Chrome
(version 3.x & above)

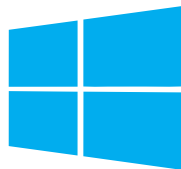


Opera
(version 3.x & above)



Safari
(version 3.x & above)

OPERATING SYSTEM COMPATIBILITY



Windows



MAC OS



Linux

Our solutions are very robust and yet very affordable. Our mind-set is to be able to have something for everyone ranging from SME (Small/ Medium Enterprise) to very large multinationals. The cost implication/pricing of the Hemingway CBA® solution is directly dependent on the outcome of our needs assessment/requirement gathering from the prospective client.

In summary, the pricing is available on [request](#).

//// PREAMBLE

Hemingway Global Services is an Enterprise Software and Information Technology (IT) company registered with the Corporate Affairs Commission in 2013 with operational offices in Abuja and Lagos. We specialize in the design, development, deployment and management of enterprise software applications for private and government organizations. Over the years we have successfully deployed mission critical software systems for different organizations cutting across various industries and sectors. Our team comprises of highly skilled professionals; we are masters at what we do. For us at Hemingway Global Services Ltd, **'Perfection'** is our watch word.

Our services includes:

- Business Process Re-engineering
- Enterprise software Design & development
- Middleware Integration Services
- Biometrics
- Software Outsourcing
- IT Consultancy
- Technical IT Support

//// OUR SUITE OF SOLUTIONS

- SchoolPlus®: Enterprise School Management System
- Med-station®: Integrated Hospital Management Information System
- Transcript Manager®: Online Transcript Management System
- Hemingway CBA®: Computer Based Assessment
- Phixopay®: Enterprise Billing and Payment System
- Electronic Document Management System
- Visitors Management and Tracking System
- Biometric time & attendance & access control system
- RFID Fixed and Mobile Asset Monitoring and Tracking System
- Galaxy IMPOS®: Inventory management and Point of Sales system
- And Custom built Enterprise Solutions (ERP, MIS, intranet portal etc)

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