PUPOSE OF DOCUMENT:

Outline the project's objectives, scope, deliverables, timeline, resources, and management approach. It serves as a roadmap to guide the project team and stakeholders, ensuring alignment and providing a basis for tracking progress and making informed decisions.

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Test Plan Document

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Ver 1.0

Document Log:

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1 Introduction

1.1 Overview of Gaia

Gaia is a petroleum (oil and gas) industry which focuses on promoting environmental sustainability, ecological awareness, and conservation efforts. It is inspired by the Gaia hypothesis, which views Earth as a complex, self-regulating system where living organisms interact with their inorganic surroundings to maintain conditions conducive to life.

The basic feauture of organization are:

1) Full-Cycle Data Acquisition QA/QC
2) Prevent Cable Sticking and Keyseating
3) Subsurface Alliance with Islay Petrophysics
4) Advanced Deployment Technologies

1.2 Purpose of this document

- This document is to serve as the Draft for the Gaia.The ocument covers the overall strategy to be adopted ,sets the scope for testing ,the general resources required,the method and process to be used to test the release

2 Scope Of Test Approach-System Functions

2.1.1 In Scope

The basic features of web application are

Web Application(Frontend)

1) Home page (Frontend)
2) About Us(Frontend)
3) Contact US(Frontend)
4) Linkedin page(Frontend)
5) Service(Frontend)

2.1.2 Out Of Scope

1) Unit testing
2) Software installation
3) Setup Environment
4) Trouble shooting

QA Resources Allocated:

1) Bisma
2) Sara

QA Backup Resource:

1) Ahmed

2.2 Testing Types

- **Black Box Testing**
- **White Box Testing**
- **Functional Testing**
    - Integration Testing

- Regression Testing
- System Testing

➢ **Non Functional Testing**

- Load Testing
- Stress Testing
- Performance Testing

2.3 System Test Entrance/Exit Criteria

S.No	Entrance Criteria	Exit Criteria
1	Unit testing of all code has been done	All high priority errors from System Test mustbe fixed and tested
2	Client should provide SRS document	Final Sign off by Stake holders and business IT professional
3	Clarification of all queries must be available	Full project team must be comfortable with quality of project before going to production
4	All credentials are provided (Test User Accounts,Access to DB)	If any medium or low priority errors are outstanding- the implementation of risk must be acceptable by Business representative
5	Test Environment is setup	All test cases habeen executed and results are documented
6	Definition of all test cases are completed	Test Summary report has been documented and approved

3 Deployment Test Plan

- On Test, Stage, Production (will be shared later)

4 Deliverables

4.1 Scrum meeting

- Daily 15-20 minutes meeting habeen done for discussion of project progress and resolve issues

4.2 Bug Status Summary

- Bug report /status updates will be provided weekly at the PM's discretion

5 Testing

5.1 Testing

- QA will execute test cases

5.2 Reporting

- QA will report bugs in JIRA or other tools
- QA will assign bug to Project Manager

5.3 Fixing

- Developer will fix assigned bug and assign it again to QA

5.4 Verification

- QA will verify the fix

5.5 Closure

- If bug is fixed QA will close the bug

5.6 Verification

- QA will reassign the bug to developer

6 Error Management & Configuration Management

During System Test, errors will be reported in JIRA as they are detected on test environment. If in case of duplication of bugs, PM shall close the duplicated bugs to avoid rework

Bugs, which are agreed as valid ,will be categorized into following Error Review Team:

- **Priority 1:** Serious errors that prevent System test of particular function continuing or serious data type error.
- **Priority 2:**Serious or missing data related error that will not prevent implementation.
- **Priority 3:** Minor errors that do not prevent or hinder functionality

7 Issues,Risk and Assumptions

7.1 Testing Needs

- Test System for desktop application
- SRS, Test plan, Test Case should be created
- Internet Connection
- Test environment setup
- Tools and technologies are needed
- Develop a timeline for all testing activities

7.2 Issues/Risks

- Unavailabilty of key member due to any reason like illness
- Miscommunication between team and stake holder
- Integration problems with existing system
- No further change will be considered for inculsion in this release except:
  - Where there is the express communication between project manager and business Representative
  - Where the changes will not require significant effort on behalf of test team and will not adversely affect the schedule

This is potentially serious issue,as any major changes to design will entail additional time to replan testing and to create or amend test conditions.

7.3 Assumption

- Technology stack will be sufficient for project need
- Required resources available
- Project will be delivered on time

- Project is of required quality
- All documentation will be up to date and delivered to system test team and approved by stakeholders timely