

THE AUTOMATION GHANA GROUP

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ANDROID APP FOR PROJECT WBS REPORTING | [A Write-Up](#)

WEB PORTAL

A [portal](#) is a web-based platform that collects information from different sources into a single user interface and presents users with the most relevant information for their context. The quality of a portal can be distinguished into three facets: integration, consistency and personalisation.

[Integration](#) capabilities allow to the unity of systems and data on the back end. Whereas [consistency](#) across digital touchpoints gives the united systems a shared look and feel on the front end. [Personalisation](#) through a combination of biographical data (who they are) and behavioral data (what they did on the site), contextualises experiences.

Android and iOS [compatibility](#) is another facet that arises with mobile app development. iOS is a closed system whereas Android is more open. A popular solution to this is resorting to cross-platform application tools. Otherwise, Java should be used for developing android apps and Swift for iOS.

APPLICATIONS

- [Backend Portal](#) – developing software backend as repository for all telemetered data and project WBS from site to project administrator.
- [Web-based management](#) – development should allow remote access on the web.
- [Android, iOS and Windows compatibility](#) – development should exist for Android, iOS and Windows.
- [Notification Status](#) – development should feature a centralised access to information from site.
- [Report](#) – product should as serve portal for communicating reports from site to project administrators.

DELIVERABLES

PROGRESS REPORT

- Providing updates towards the completion of the project.

PROJECT PROTOTYPE

- Providing a working prototype implementation of the project.
- Providing a software programme for some aspects of the android app.

USER MANUAL

- Documenting technical assistance to operating the prototype.

EXPERIENCE

- With the help of our company staff, I have had substantial experience :
 - in front-end programming with Angular.
 - in back-end programming with flask.
- I have acquired admissible knowledge in front-end programming with react.
- I have had experienced programming in python.

SUMMARY

It will be great advantage having to include capabilities of operations research to optimise work schedules, particularly with deciding critical and non-critical tasks, with the goal of preventing time-frame problems. Such operations research tools may include the Critical Path method, or the Project Evaluation Review and Technique method.

