

Requirements Specification

for

TECHSTORE

**FEBRUARY**

**Version 0.1**

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**Documentation Expert**

**Change History**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Updated By** |
| 15 February,2016 | 0.1 | Initial Draft | After vision |

**Document Approvals**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Signature** |
| Bio Matthew | Project Manager |  |
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# Introduction

## Purpose

*This document is targeted to help developers stay on track. And also clearly indicate the various stages that will be undergone in order to successfully create the application*

## Project Scope

*This is mainly target to help students on KNUST campus only. Our targeted audience are students and lectures. This application is to help minimize posters on campus. Is to serve as a first point of contact when an item is to be sold to people on campus.*

## References

No other external websites contain any other documents.

# System Description

*The techStore application is an online market that is aimed at reaching students and lecturers with products been sold on campus.*

*It is also a platform aimed at helping sellers of various items to reach the nearest market and prevent the hustle of going back and forth with their products just to sell them.*

*With this application you able to reach the nearest market, that is buyers from campus only.*

# Functional Requirements

TEC STORE is basically targeted on KNUST campus. It seeks to address the marketing needs of the student populace.

Students will be able to view ads posted by other students, marketing their various products, ranging from categories like electronics, clothing etc. they also have the opportunity to post their various ads and not just have the privilege of viewing other ads but the advantage to post their own ads as well.

The catch to this is that, since the app is mainly centred on the KNUST campus as of now, student need to register or sign up to enable them post ads. This is done for verification of ads posted on the wall to eliminate unnecessary and unpleasant posting. Also this is to check the integrity of individuals; in the sense that, we are not allowing just anyone to post ads but individuals in our database; students.

In that light, the app mainly has two tabs; home and my ads.

Home tab basically contains the outstanding ads, top rating ads from the various categories. The various ads could also be viewed from the categories list.

My ads have the history of the ads posted by the user. The user once logged in, would be able to view his ads. Only users with accounts or registered accounts would be able to access this tab, non-registered viewers are denied that access.

Functional Requirements

TEC STORE is primarily an android application for marketing of products by KNUST Populace. The application is open for all students of KNUST to view posted adds. However, it grants permission to only registered users (students) to post an add; ie market their products over the platform.

The homepage of the app is to display a list of recently posted adds.

## Entity Relationship Diagram

# External Interface Requirements

# Technical Requirements (Non-functional)

## Performance

*Upon requesting a view, the response time should be less than 60 seconds*

## Scalability

*At least Two thousand users, that is, it should extend to other tertiary institutions*

## Security

*Encryption of password is required. Using …. encryption*

## Maintainability

Regular maintenance is required, bug fixes and other improvements should be uploaded

## Usability

Every smart phone running android version 4.0 or later should be able to download and use the app

## Multi lingual Support

*Only English*

## Availability

*The system should always be up and running*