**Faculty of Computers &
Artificial Intelligence**

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System Requirements

[Egypt Food Sales System]

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Section 1   Purpose

The purpose of the System Requirements document is to specify the overall system requirements that will govern the development and implementation of the system. The document will also establish initial security, training and system architecture requirements, as well as, system acceptance criteria agreed upon be the project sponsor and key stakeholders.

Section 2   General System Requirements

2.1   Major System Capabilities

Major system capabilities in terms of availability, target deployment environment(s), device accessibility, and/or technical capability.

- *System must be available 24 hours per day.*
- *System must be accessible by Handheld devices and PC.*
- *System must be able to accept e-payments.*

2.2   Major System Conditions

Major system assumptions and/or constraints (aka conditions). The conditions may limit the options available to the designer/developer.

- *GPS tracking for representatives into business-units.*
- *System must interface with Fawry and Vodafone cash.*

2.3   System User Characteristics

Type of user of the system by function.

1) Administrators and admins.
    - Allow monitoring of customer representatives, all retail purchases, and sales.
    - Monitoring of the representative's itinerary.
    - Monitor customer accounts
    - Get total purchases and sales
2) Employees and representative
    - Knowing merchant accounts
    - Knowing the daily itinerary

Section 3   Security Requirements

Specify security requirement for users of the system.

- Authentication and password management
- Audit logging and analysis
- Network and data security
- Code integrity and validation testing
- Cryptography and key management
- Data validation

Section 4   Training Requirements

Training requirements for the system.
- *Increased sales productivity*
- *Improved self-management*
- *Improve customer relations*
- *Improved communication*
- *Improve morale*

Section 5   Initial System Architecture

Hardware, software, programming languages, tools and operating system requirements for project.

- *Handheld devices*
- *Mobile Sales Force Automation System (SalesBuzz), via Handheld Device*
- *Implementation of the program using Java and Kotlin*
- *Android and Windows*

Section 6   System Acceptance Criteria

General system acceptance criteria specified and agreed upon by the project sponsor and key stakeholders that will be used to accept the end product.

- *New system must run in parallel with current production system for 6 months*
- *3 years of data must be in system (conversion implied) on day one*
- *Mobile application for the customers integrated with the system to save time on sale*
- *Connect and track the handheld devices given to salesmen to the overall system*
- *GPS tracking for representatives into business-units.*
- *Provide printers and roll printers for receipts*

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