|  |
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|  |
| wewrw project rwewerw |
| Android Application |

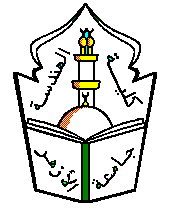
|  |  |
| --- | --- |
| |  | | --- | | **Team**   1. Fdsfds 2. Ssdfsdf 3. dsfsdfsd |   **Project Supervisor: Dr. effjwkjefljjdlj** |

Systems & Computers Engineering department

Faculty of Engineering

Al-azhr university

2019



# ABSTRACT

Hey guys

I'm working on my new project after stock-market

I just know if u have any idea about genetic algorithms by matlab programming

I'm read tow books about it ,,

But my problem here is

I don't know how can I creat a script optimization function with function's genetic ( fitness fincinm ,,ext)

Can anyone helps me to get it and add function objective inside my script genetic ,,!

# ACKNOWLEDGMENTS

First of all , I thank God for benefits he gave us and I would like to express our gratitude to

Project Supervisor: Dr. adsasdasdsd

Lecture of computer and systems engineering

For his guidance encouragement throughout our work

We are greatly incepted to our faculty and the whole

Administration staff

Team :

1. awe
2. wqwewqw

[Author name]

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# 1.0 CHAPTER ONE: INTRODUCTION

## 1.1 Project Motivation

Hey guys

I'm working on my new project after stock-market

I just know if u have any idea about genetic algorithms by matlab programming

I'm read tow books about it ,,

But my problem here is

I don't know how can I creat a script optimization function with function's genetic ( fitness fincinm ,,ext)

Can anyone helps me to get it and add function objective inside my script genetic ,,!

## 1.2 Problem Statement

1. Track progress at main task by number of subtasks have completed

## 1.3 Project Aim and Objectives

**Intended User**

Hey guys

I'm working on my new project after stock-market

I just know if u have any idea about genetic algorithms by matlab programming

I'm read tow books about it ,,

But my problem here is

I don't know how can I creat a script optimization function with function's genetic ( fitness fincinm ,,ext)

Can anyone helps me to get it and add function objective inside my script genetic ,,!**Features**

1. Sign in

## 1.4 Project Software and Hardware Requirements

## **Hardware Requirement:**

1. I5 Processor Based Computer
2. 4GB-RAM
3. 80 GB Hard Disk
4. Monitor
5. Internet Connection
6. Android Device

## **Software Requirement:**

1. Windows 7 or higher
2. Android Studio
3. Sublime text 3
4. XAMPP
5. POST MAN

**Front End:** Android

**Backend:** PHP

**Database:** MYSQL

# 2.0 CHAPTER TWO: RELATED EXISTING SYSTEMS

## 2.1 Introduction

There are many tools some of them are open source other not

In this chapter I will mention some of them with disadvantage and how project will solve it

## 2.2 Existing Systems

* [Streamtime](https://blog.capterra.com/free-open-source-project-management-software/#26)

## 2.3 Overall Problems of Existing Systems

1. Limit number of team at free version to 5
2. Upgrade every month with expensive cost
3. There is no Arabic language included in language options

## 2.4 Overall Solution Approach

1. Allow user to choose language between Arabic and English

# 3.0 CHAPTER THREE: SYSTEM REQUIREMENTS ENGINEERING AND ANALYSIS

## 3.1 Introduction

The software requirements engineering and analysis describe features and functionalities of target system include this processes:

1. Feasibility Study
2. Requirement Gathering
3. Software Requirement Specification
4. Software Requirement Validation

## 3.2 Feasibility Study

Study if system with its requirement is applicable or not System needs

Server

Designer

Android developer

Sign in method

Push notification

Edit database

All requirement are available

## 3.3 Requirements Elicitation Techniques

**Task analysis**

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But my problem here is

I don't know how can I creat a script optimization function with function's genetic ( fitness fincinm ,,ext)

Can anyone helps me to get it and add function objective inside my script genetic ,,!Managers can reply at this report

**DOMAIN analysis**

Study this apps and how it work what functionality can perform :

## 3.4 Targeted Users

## 3.5 Functional Requirements

Requirements , which are related to functional aspect of software

1. Sign in

## 3.6 Non Functional Requirements

Requirements, which are not related to functional aspect of software .they are implicit or expected characteristics of software

1. Logging
2. Storage
3. Performance
4. Cost
5. Flexibility
6. Accessibility

# 4.0 CHAPTER FOUR: SYSTEM DESIGN

## 4.1 Introduction

It describes desired features and operations in detail, including screen layouts, business rules, process diagrams, pseudo code and other documentation. The most creative and challenges phase of the software development life cycle is software design. The term design describes final software and the process by which it is developed. The purpose of the design phase is to plan a solution of the problem specified by the requirements document. It also includes the construction of programs and program testing. Design takes us toward how to satisfy the needs. The design of a system is perhaps the most critical factor affecting the quality of the software; it has a major impact on the later phase, particularly testing and maintenance. The output of this phase is the design document

PERT Chart

Figure 2 PERT Chart

## Context Diagram

1. **DFD level 1**

Figure 3DFD level 1

1. **DFD level 2**

Figure 4 DFD level2

* 1. Entity Relationship Diagram (ERD)

Figure 5 Entity Relationship Diagram (ERD)

## UML Use Case Diagram

Figure 6 UML Use Case Diagram

* 1. UML Class Diagram

Figure 7UML Class Diagram

## 4.6 Graphical User Interface (GUI) Design

1. **Select to Sign up or login**
2. **Sign up**
3. **Login**

# 5.0 CHAPTER FIVE: SYSTEM IMPLEMENTATION

## 5.1 Introduction

Implementation of System divided to

1. Database
2. GUI
3. API
4. APP Development

## 5.2 Database Implementation

**Logical diagram**

Figure 8Logical diagram

**Relational diagram**

Figure 9 Relational diagram

**Data dictionary**

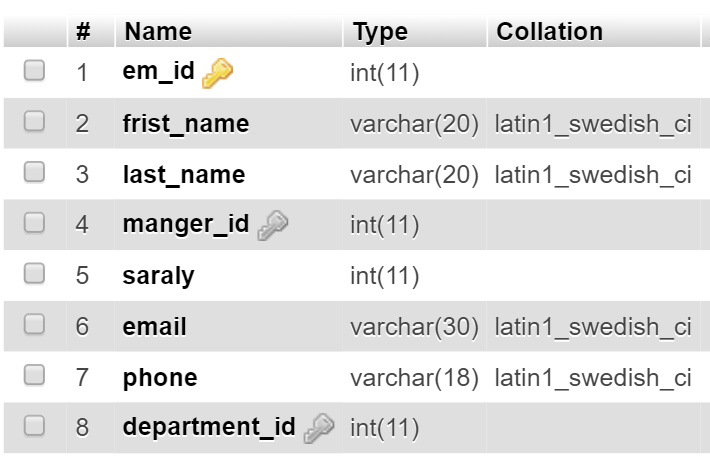


Figure 12 Employee data dictionary

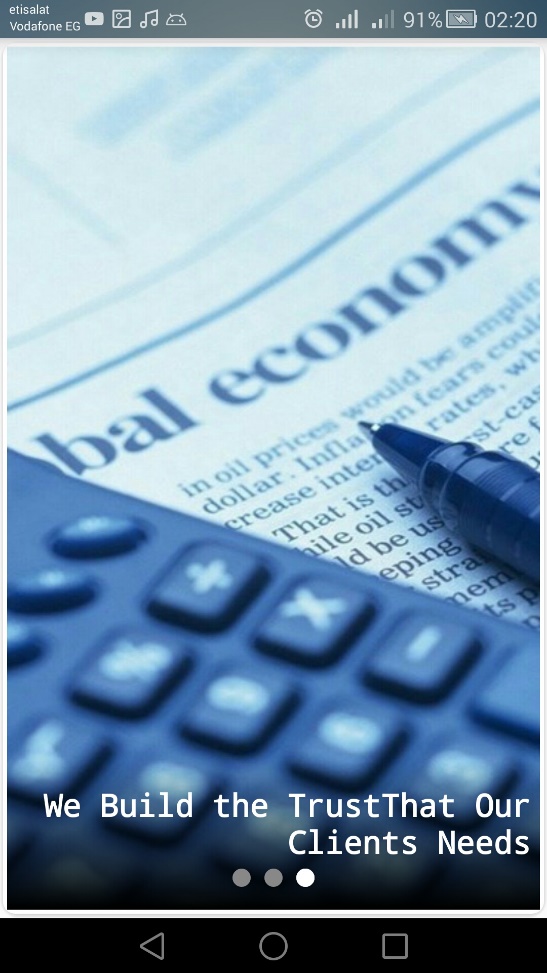
Figure 15 Project Employee data dictionary

**Task**

Figure 16 Task data dictionary

5.3 Graphical User Interface Implementation

1. **Splash Screen Slider**



1. **Select to sign in or login**

## 5.4 Other Components Implementation

**Database Tables :**

# 6.0 CHAPTER SIX: SYSTEM TESTING AND INSTALLATION

6.1 Introduction

Software testing against requirements and system specification .

**Include**

* 1. Software validation
  2. Software verification

Database tested at PhpMyadmin , POSTMAN

Android at emulator and real device API 19

## 6.2Requirements Validation and Completeness

## **completed Requirement:**

* 1. Sign in
  2. login

## **Uncompleted Requirement:**

1. Generate reports about

6.3 System Installation

## **Hardware Requirement:**

1. I5 Processor Based Computer
2. 4GB-RAM
3. 80 GB Hard Disk
4. Monitor
5. Internet Connection
6. Android Device

## **Software Requirement:**

1. Windows 7 or higher
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Describe libraries used and reasoning for including them.  Retrofit (<http://square.github.io/retrofit/>) for making the network calls.   |  |  | | --- | --- | | Library | Stable version | | Gradle | 3.1.3 | | Plugin | 3.1.3 | | constraint-layout | 1.1.3 | | Android studio | 3.1.3 | | gson | 2.8.0 | | retrofit | 2.1.0 | | retrofit2:converter-gson | 2.1.0 | | androidx.appcompat | 1.0.2 | | android.material | 1.1.0 | | test junit | :4.12 | | gms:play-services-auth | 17.0.0 | | cardview | 1.1.0 | | firebase | 17.0.0 | | firebase-auth | 18.0.0 | |

Database

Server

Website

Android app test at API 19 KitKat

# 7.0 CHAPTER SEVEN: PROJECT CONCLUSION AND FUTURE WORK

7.1Future Work :

1. Generate reports about p

7.2CONCLUSION

App consist of three main things :

1. GUI

Implemented by XML using Android Studio containing 16 screen for employee and Manager as Mention in chapter 5 page 35 .

App is responsive for different Screen sizes from small mobiles to large tables and in 2 language Arabic and English depend on mobile language that App is install on it .

8 APPENDEX

1. Android studio version 1.3.1
2. Database server

* Server: 127.0.0.1 via TCP/IP
* Server type: MariaDB
* Server connection: SSL is not being used Documentation
* Server version: 10.1.37-MariaDB - mariadb.org binary distribution
* Protocol version: 10
* User: root@localhost
* Server charset: UTF-8 Unicode (utf8)

1. Web server

* Apache/2.4.37 (Win32) OpenSSL/1.1.1a PHP/7.3.1
* Database client version: libmysql - mysqlnd 5.0.12-dev - 20150407 - $Id: 401a40ebd5e281cf22215acdc170723a1519aaa9 $
* PHP extension: mysqliDocumentation curlDocumentation mbstringDocumentation
* PHP version: 7.3.1