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# AHK Framework

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Project Documentation



OCTOBER 07, 2023



**VEER NARMAD SOUTH GUJARAT UNIVERSITY**



**ATMANAND SARASWATI SCIENCE COLLEGE**

**B.Sc. (Computer Science)**

PROJECT REPORT ON

# **AHK Framework**

AS PARTIAL REQUIREMENT, FOR

B.Sc. (Computer Science) 5<sup>th</sup> Semester

Year: 2023 – 2024

**GUIDED BY:**

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**MR. SMIT MEGHANI (CS2138)**

# ACKNOWLEDGMENT

With great delight and a profound sense of accomplishment, I take immense pleasure in presenting this report on the project titled AHK Framework.'

I extend my heartfelt gratitude to our Project Advisor, Mrs. Khushabu Sonaware, for entrusting us with the opportunity to work under his guidance. We are sincerely thankful for his unwavering belief in our capabilities and for deeming us worthy of this significant project

I would also like to express our appreciation to our Principal, Mr. Shailesh Padsala, and all the esteemed faculty members at our college. Their valuable suggestions and unwavering encouragement not only aided us in the preparation of this report but also deepened our understanding of the subject matter. This project has enriched me with invaluable experiences that will continue to shape my career path.

Finally, I extend heartfelt thanks to Project Advisor for their guiding, unwavering faith that have been a constant source of strength throughout this journey.

I am also indebted to my dedicated colleagues and friends for their unceasing support and assistance. Without their contributions, this endeavor would not have been possible.

In sincere appreciation,

Bhargav Ghorj,

Smit Meghani.

# COLLEGE CERTIFICATE

# ABSTRACT

This Framework main focus is that there are this type of framework where no need to do coding for automation. Without coding just enter value or text for create Autohotkey Automation Script and totally open for all. There are need to installation of third party software 'autohotkey v1' for use this automation script This system will run on internet. The system Front-End is written in HBS handelbars, HTML, CSS, JS and The system Back-End is written in Node JS(Java Script).

Users will not need to log in. without login that they will be able to various tasks that are designed for them. In future It can be turned into a paid system for the person who is accessing the services with minor charges. Where user will get additional cloud storage & payment. AHK Framework is Framework which is helpful for Person who need create automation script without coding knowledge.

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# INTRODUCTION

## 1.1 Project Profile



<b>Project Name:</b>	AHK Framework
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<b>Technology:</b>	Xampp Server
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<b>Front End:</b>	HBS Handelbars
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<b>Back End:</b>	Node JS
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<b>Development Tool:</b>	Visual Studio Code 2019
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<b>Documentation Tool:</b>	WPS office
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<b>Project Duration:</b>	JULY 2023 TO OCTOBER 2023
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<b>Developed By:</b>	-Bhargav Ghori -Smit Meghani
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# ENVIRONMENT DESCRIPTION

## 2.1 Hardware Used

## 2.2 Software Used

## 2.1 HARDWARE USED

### ❖ Development time Hardware Requirement

<b>Microprocessor:</b>	Intel(R) Core i5
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<b>Memory:</b>	8.00 GB RAM
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<b>Hard Disk Space:</b>	2GB
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### ❖ Run time Hardware Requirement

<b>Memory</b>	2 GB Minimum
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## 2.1 SOFTWARE USED

### ❖ Development time Software Requirement

<b>Operating System:</b>	Windows 11
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<b>Server Side Script Language</b>	Node JS
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<b>Database</b>	PhpMyAdmin
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<b>Browser</b>	Google Chrome
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<b>Server</b>	XAMMP Server
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<b>Software</b>	Visual Studio Code
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### ❖ Run time Software Requirement

<b>Browser:</b>	Google Chrome or All Brouser
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<b>Software</b>	Internet Connection
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### **3.1 Manual process**

### **3.2 Manual process drawbacks**

## 3.1 Manual process

Enter value for Automation: To be a create autohotkey script, you need to have a little knowledge of autohotkey or automation or set a value or text for create script.

### 3.3 Manual process drawbacks

There are no Manual Process drawback because of the there need user input because this framework totally work on user value what user want this framework do that without user involvement that not possible that how to create script or how to use this framework so there are no drawback of the manual process.



# PROPOSED SYSTEM

## 4.1 Scope

## 4.2 Objectives



## 4.1 Scope

The purpose of the 'AHK Framework' is that there are many users who have no coding knowledge but also want to use automation for anything which is in loop in its PC or it may be a routine life process for a computer that time this AHK Framework is used and creates an automation AHK file without any coding knowledge.

Main scope of this framework is that there are many users online and all want to create an automation file but all have not been able to get information of coding and how to create a file by coding so this framework helps that type of user and creates an AHK file for them without coding knowledge and without any money because this software is currently free for all.

This framework is very useful for that type of user who has no knowledge in this software; we provide a video also for that framework that shows how the framework works.

## 4.2 Objectives

Providing a framework where create AHK file without any cost.

We provide totally open and free for all who want create AHK automation file without any coding knowledge.

Providing video also for how to use this framework for create AHK file.

We provide user friendly interface or user can create file easily that type of User Interface.

Our main objective is that user create file without any coding knowledge or create file without any cost or user can simply run it in desktop or pc without any cost or coding just send text coordinate value or other information which want and download file there very easy to create AHK file and than very easy to use.



## **5.1 Feasibility Study**

## **5.2 Requirement Gathering**

## **5.1 Feasibility Study**

### **Market Analysis :**

Conduct research to identify the size and growth potential of the automation user. We study on this automation and see on network that there are no website or no software for this type of framework where user create AHK file without coding.

### **Technical Feasibility :**

Determine the technical requirements and resources needed to develop and maintain the website, including hardware, software, hosting, security, and scalability.

### **Legal and Regulatory Feasibility :**

Assess the legal and regulatory requirements and risks associated with operating a AHK Framework website admin panel. In future we also tie-up with this automation company which are on network.

### **Risk Analysis :**

Identify and assess potential risks and challenges that could impact the success of the AHK Framework

website. But there are currently no risk because this are totally free or open for all.

### **Conclusion:**

Based on the above analysis, determinethe overall feasibility of launching and operating a AHK Framework website, and develop a detailed plan for implementation or ongoing management.

### **Operational Feasibility :**

Evaluate the operational requirements and resources needed to manage the website, including staffing, customer support, project management, and administrative functions. Assess the feasibility of implementing best practices and industry standards for quality assurance, risk management, and compliance.

## 5.3 Requirement Gathering

- ❖ Before the starting project I have summarized the overall & basic functionality which can be include in this project. For this project there are multiple ways to design the project in multi platforms.
- ❖ I have looked for no websites of similar type of functionality on online network. So this is good for this project.
- ❖ After the decide of the project title as 'AHK Framework' because this is framework for AHK(Autohotkey) I have planned the flow of the project with our guide that almost all the thing is covered in project.
- ❖ I had several meetings & discussion with guide to build the project.



# MODUAL SPECIFICATION

# AHK Framework Includes

## Admin Panel :

### Manage Admin :

Admin can manage all admin who can work on this website.

Admin can add other admin.

### Manage Contact Message :

admin can see and manage all contact message which are come from local site.

### Manage Profile :

Admin can manage it's profile or change it's field which are for user



## **Local Panel :**

**There are not panel because this software are totally free and open**

### **Create file :**

User can create automation file from hear.

### **Contact Us :**

User can add it's additional information for file which want to create extra ordinary or suggest it's for website.

### **About Us :**

User can check all administrative admin information or how to work this ahk framework it's information also includes in this file.



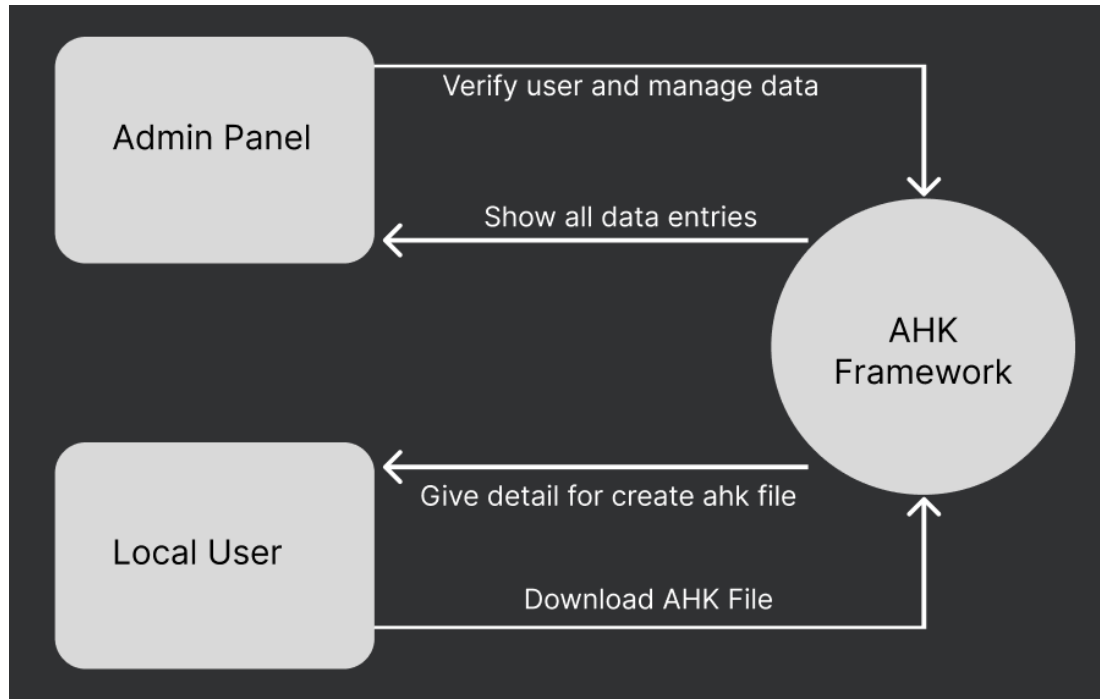
**7.1 Data Flow Diagram**

**7.2 Entity Relationship Diagram**

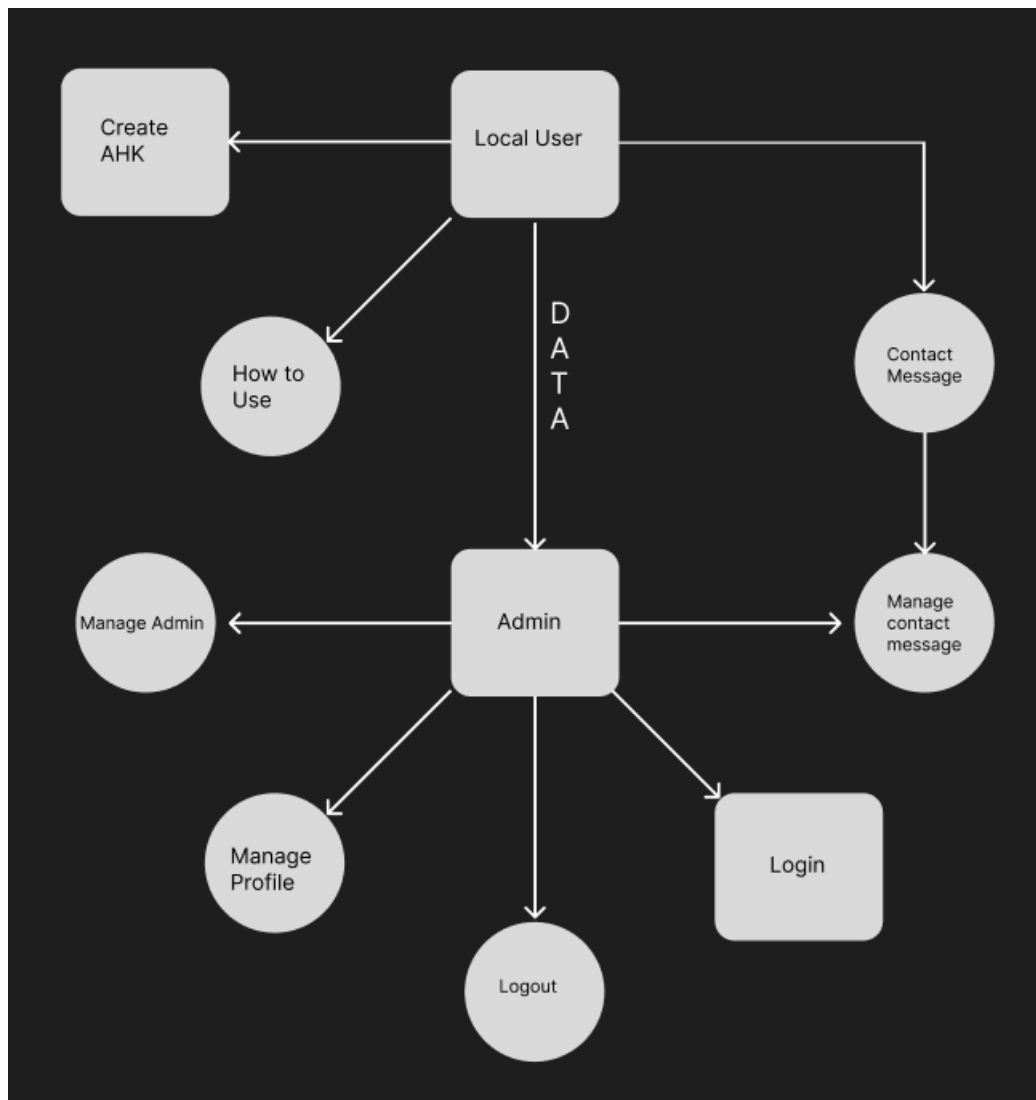
**7.3 Database Design**

## 7.1 Data Flow Diagram

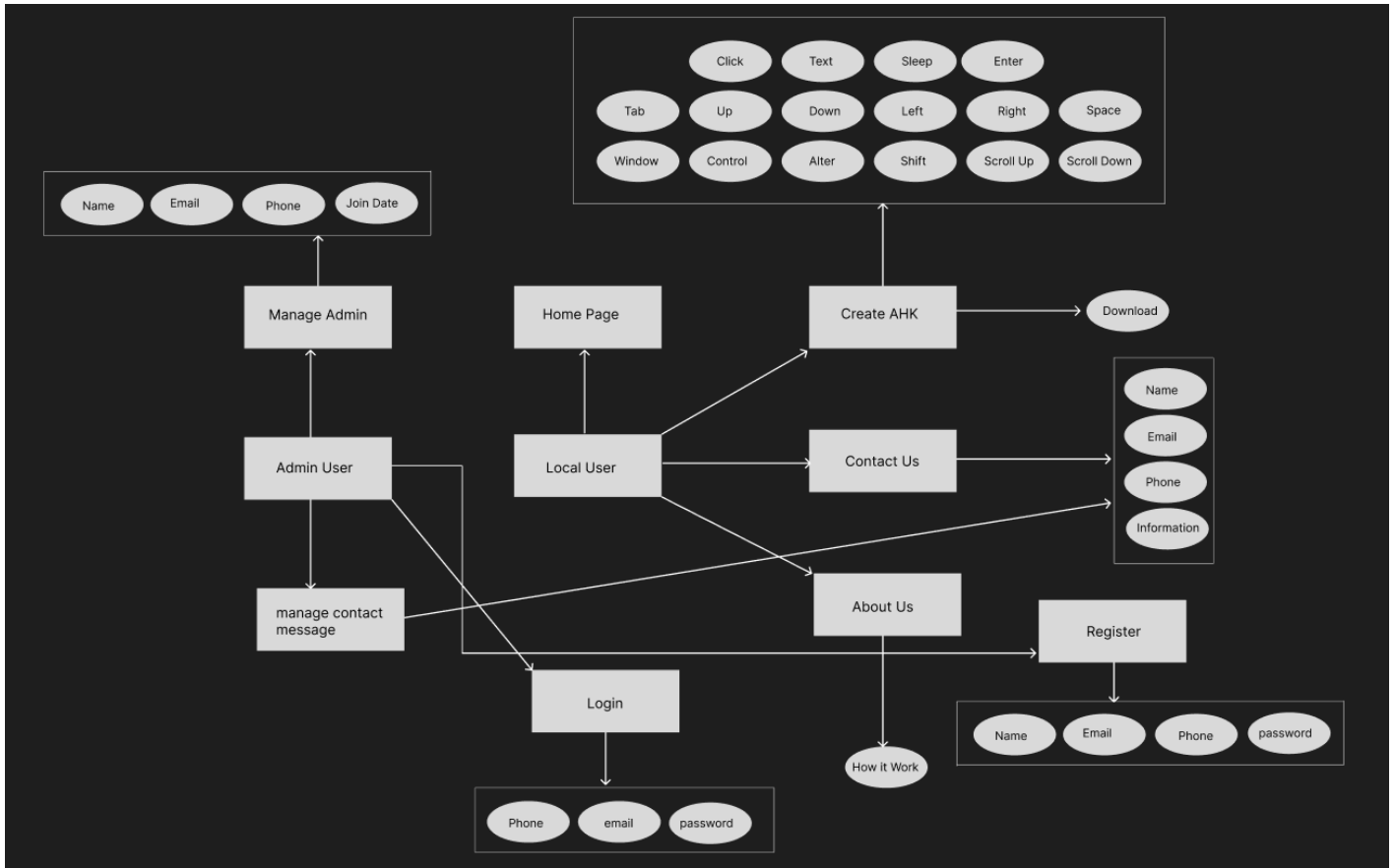
### LEVEL 0 :



## LEVEL 1 :



## 7.2 Entity Relationship Diagram



## 7.3 Database Design

**DB Host Name :**

Localhost

**DB Name :**

ahkframework

**Tables :**

users

contact\_us

**Table Design :**

**Users :**

Field name	Data type	constraint	Extra
id	Int(4)	PRIMARY KEY	AUTO_INCREMENT
name	Varchar(25)		
type	Varchar(5)		
Email	Varchar(55)	PRIMARY KEY	
phone	Varchar(10)	PRIMARY KEY	

password	text
----------	------

Add_time	text
----------	------

## contact\_us :

Field Name	Data Type	Constraint	extra
id	int(4)	Primary key	Auto_increment

contact_name	varchar(25)
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contact_email	varchar(55)
---------------	-------------

contact_mobile	varchar(15)
----------------	-------------

contact_information	text
---------------------	------

contact_time	text	current_timestamp
--------------	------	-------------------





# 1 Home Page

AHK Framework

HomeAboutContactCreate FileLogin

## Home

### AHK - AutoHotkey

#### Key Binds

Define hotkeys for the mouse and keyboard, remap keys or buttons and autocorrect-like replacements. Creating simple hotkeys has never been easier, you can do it in just a few lines or less!

#### What is AutoHotkey

AutoHotkey is a free, open-source scripting language for Windows that allows users to easily create small to complex scripts for all kinds of tasks such as: form fillers, auto-clicking, macros, etc.

#### Why AutoHotkey

AutoHotkey gives you the freedom to automate any desktop task. It's small, fast and runs out-of-the-box. Best of all, it's free, open-source (GNU GPLv2), and beginner-friendly. Why not give it a try?

#### Why AHK Framework

AHK Framework is easy to use. now create AutoHotkey's very easy, now create ahk file using your basic and simple knowledge.

There are many other language or many other software which help we can create automation file But, why choos Autohotkey, Because it's easy to use, easy to learn, easy to implement, easy to run.

#### Basic On Hotkeys

AutoHotkey provides a simple, flexible syntax allowing you to focus more on the task at hand rather than every single little technicality. It supports not only the popular imperative-procedural paradigm, but also object-oriented and command-based programming.

#### On History

The AutoHotkey Foundation LLC was founded on April 24th 2014 in Indiana, USA. It was created in order to prevent monetization, ensure the continuing existence of the software AutoHotkey and naturally, continue the support for it. This foundation provides organizational, legal, and financial support for this software. It is a volunteer organization created by the community, for the community.

#### On History

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#### Who manages AutoHotkey

The foundation's managers are Charlie Simmons (tank), Steve Gray (Lexikos) and Joachim de Fourestier (joedf) with guidance from Chris Mallett (the creator of the software AutoHotkey).

AHK  
Framework





Just do it.

#### Quik Links

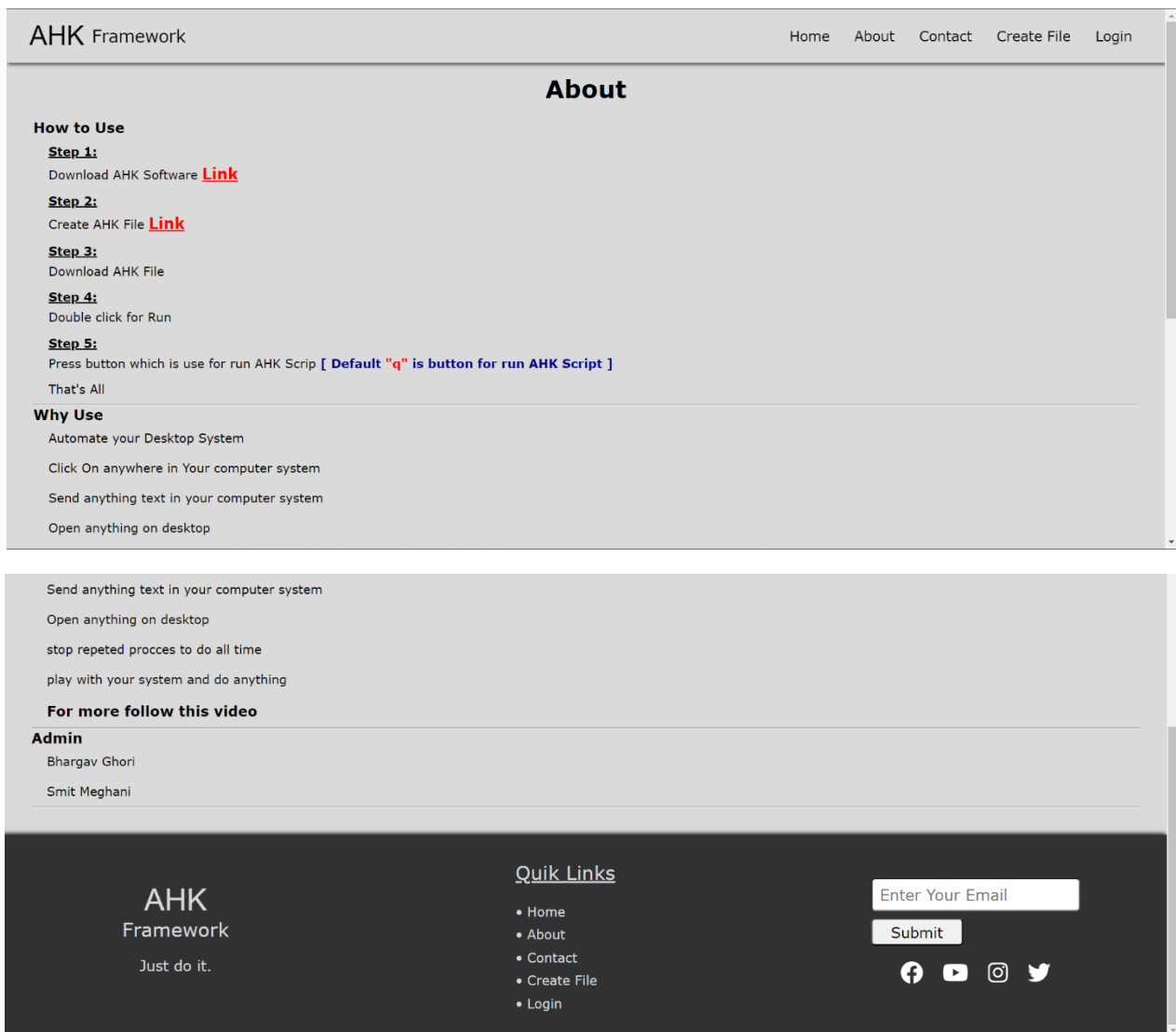
- Home
- About
- Contact
- Create File
- Login

Enter Your Email

Submit



## 2. About Us Page



### 3. Contact Us Page

AHK Framework

[Home](#) [About](#) [Contact](#) [Create File](#) [Login](#)

### Contact Us

Name \*

Enter Your Name

Email \*

Enter Your Email

Mobile No \*

Enter Your Mobile No

Information

Submit

## 4. Login Page

**LOGIN**  
Username  
  
Password  
  
☐ Show Password  
  
[Forget Password](#)  
OR  
[Create New Account](#)

## 5. Create AHK File

AHK Framework

Click

Text

Sleep

Enter

Tab

Arrow ☒

Space Key

Window Key

Control Key

Download

Arrow ☒

Up ^

Right >

Down v

Left <

Space Key

Window Key

Control Key

Shift Key

Alter Key

Scrolling ☒

Scroll Up

Scroll Down

Download

AHK Framework

Click

Text

Sleep

Enter

Tab

Arrow ☒

Space Key

Window Key

Control Key

Click Functionality

x-cordinater


y-cordinater

1000

Add in Script

Download

## 6. Admin panel Profile



**Bhargav**  
ADMIN


Edit Profile


Manage Admin


Contact Message


Logout


YOUR PROFILE



Name : Bhargav 


Email : bhargav@gmail.com 

Phone : 8690914276 

Passwd : 123456 

**SAVE**

## 7. Manage Admin



**Bhargav**  
ADMIN

- Edit Profile
- Manage Admin
- Contact Message
- Logout

MANAGE ADMIN

Add Admin

No	Name	Gmail	Phone	Add Date	Action
5	Bhargav	bhargav@gmail.com	8690914276	2023-10-04 17:05:16	<div>Remove</div>
8	demo	myemail@gmail.com	8690914545	2023-10-04 17:39:15	<div>Remove</div>
9	qqq	qqqqqq@gmail.com	9898989898	2023-10-04 18:01:58	<div>Remove</div>

## 8. Contact Message

CONTACT MESSAGE						
No	Name	Gmail	Phone	Message	Contact Date	Action
6	bhargav	bhargav@gmail.com	9000000000	sds	2023-10-04 17:04:31	<a href="#">Remove</a>
7	hello	helloooo@gmail.com	8686868686	i dgvad saydgi sdhbhc hbcsjk	2023-10-06 13:49:22	<a href="#">Remove</a>
8	gfds	dsfsdf@gmail.com	9656562307	gyuh dgd	2023-10-07 07:57:10	<a href="#">Remove</a>
9	nikhil	nikhilpatel@gmail.com	9999999999	i want to create autohotkey file with additional feature where i want loop my script, can you guide me how to do that.	2023-10-07 07:59:32	<a href="#">Remove</a>



**Bhargav**  
ADMIN

[Edit Profile](#)

[Manage Admin](#)

[Contact Message](#)

[Logout](#)



## 9. Register Admin

**REGISTER**  
Name \*  
  
Email  
  
Mobile No \*  
  
Password \*  
  
☐ Show Password  
  
[Login Here](#)



**9.1 Unit Testing**

**9.2 Integration Testing**

## 9.1 Unit Testing

This is the lowest level of testing that is conducted to remove syntax & logic errors from a single unit. Individual components are tested to ensure that they operate correctly. Each component is tested independently, without other system components. This phase involves testing collection of modules, which have been integrated into sub-system. These testes for problems that arise form component interactions. This testing should begin as soon as usable version of some of the system components is available

## 9.2 Integration Testing

This is the final stage in the testing process before the system is accepted for operational use. The system is tested with data supplied by the system customer rather than simulated test data. Acceptance testing may reveal errors & omissions in the system requirements definition because the real data exercise the system in different ways from the test data. It may also reveal requirements problems where the system's facilities do not really meet the user's needs or the system performance is unacceptable.

AHK FrameworkHomeAboutContactCreate FileLogin

### Contact Us

Name \*  
nikhil patel

Email \*  
nikhilpatel@gmail.com

Mobile No \*  
9999999999

Information  
i want to create autohotkey  
file with additional feature  
where i want loop my script,  
can you guide me how to i do  
that

Submit

AHK FrameworkHomeAboutContactCreate FileLogin

### Contact Us

Name \*  
Enter Your Name

Email \*  
Enter Your Email

Mobile No \*  
Enter Your Mobile No

Information

Submit

Data receive successfully

**LOGIN**

Username  
8690914276

Password  
\*\*\*\*\*

☐ Show Password

Submit

[Forget Password](#)  
OR  
[Create New Account](#)

**LOGIN**

Username  
8690914276

Password  
123456

☒ Show Password

Submit

[Forget Password](#)  
OR  
[Create New Account](#)

**AHK Framework**

Click

Text

Sleep

Enter

Tab

Arrow ☒

Space Key

Window Key

Control Key

**Click Functionality**

500

600

1000

Add in Script

Download

AHK Framework

Click

Text

Sleep

Enter

Tab

Arrow ☒

Space Key

Window Key

Control Key

Screen Script Not Added

Click Functionality

x-cordinater

y-cordinater

1000

Add in Script

Download

AHK Framework

Click

Text

Sleep

Enter

Tab

Arrow ☒

Space Key

Window Key

Control Key

Screen Script Added

Click Functionality


x-cordinater

y-cordinater


1000


Add in Script


Download




Bhargav  
ADMIN


 Edit Profile

 Manage Admin

 Contact Message

 Logout

YOUR PROFILE



Name : Bhargav

Email : bhargav@gmail.com

Phone : 8690914276

Passwd : 123456

SAVE

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# REFERENCES

**Websites :**

<https://chat.openai.com/>