

# AI powered Mobile Application Documentation

## Table of Contents

### Introduction

- Purpose and Overview
  - This document serves as the comprehensive documentation for the Restaurant App **Heaven's Cloud**. It outlines the project's objectives, requirements, design, development, testing, deployment, and maintenance details.
- Document Revision History

Version	Date	Description	Author
1.0	2023-10-09	Initial Release	Renee Bethapudy
1.1	2023-10-13	Updates/ Revisions	Renee Bethapudy

### Project Overview

- Project Name : **Heaven's Cloud**
- Team Members
  - Project Manager: Renee Bethapudy
  - Developers: Renee Bethapudy, Harshitha Yarra, Srihita Karempudi
  - Designers: Renee Bethapudy ,Harshitha Yarra ,Srihita Karempudi
  - QA/Testers: Renee Bethapudy ,Srihita Karempudi, Harshitha Yarra
- Stakeholders : Renee Bethapudy, Harshitha Yarra, Srihita Karempudi
- Project Goals and Objectives
  - Increase Customer Engagement
  - Enhance User Experience
  - Improve Customer Loyalty
  - Facilitate Online Payments
  - Improve Marketing Efforts

### Requirements

- Functional Requirements
  - Welcome Page
  - Login Page
  - Menu Display
  - Search and Filter Options

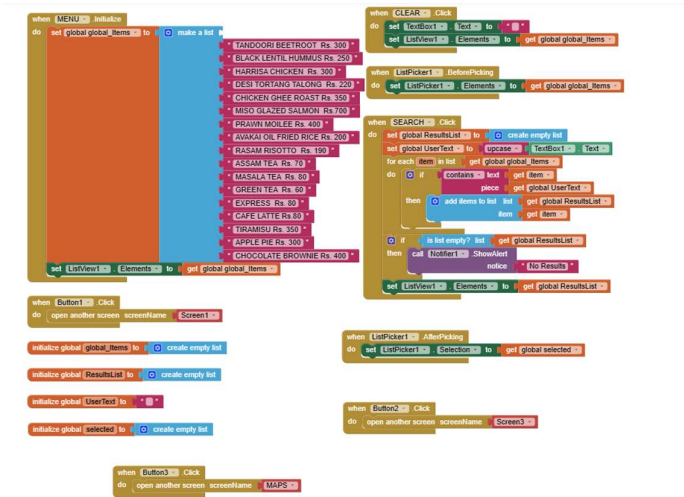
- Billing Page
  - Payment Gateway
  - Location Tracker
- Use Cases and User Stories
    - Can be used instead of traditionally used physical menus as an alternative
    - Can be used to promote digital transactions

## Architecture

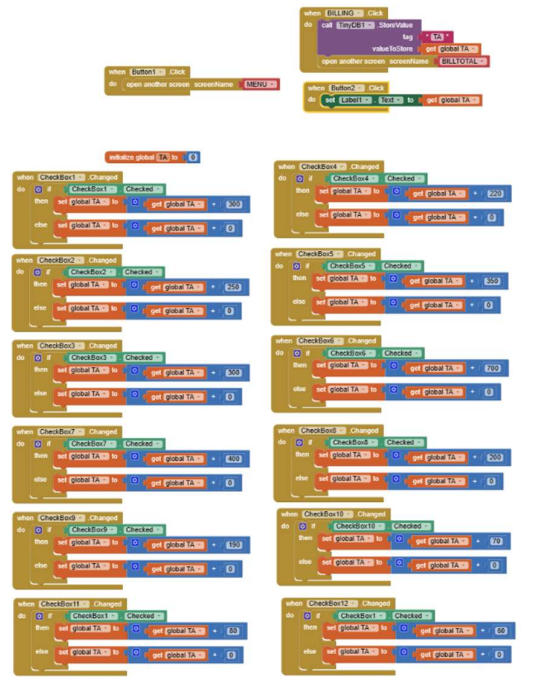
- High-Level Architecture
  - The overall architecture of our mobile app. These are the screenshots of the code blocks used in the Heaven's Cloud Project.
- Welcome Page followed by Login Page



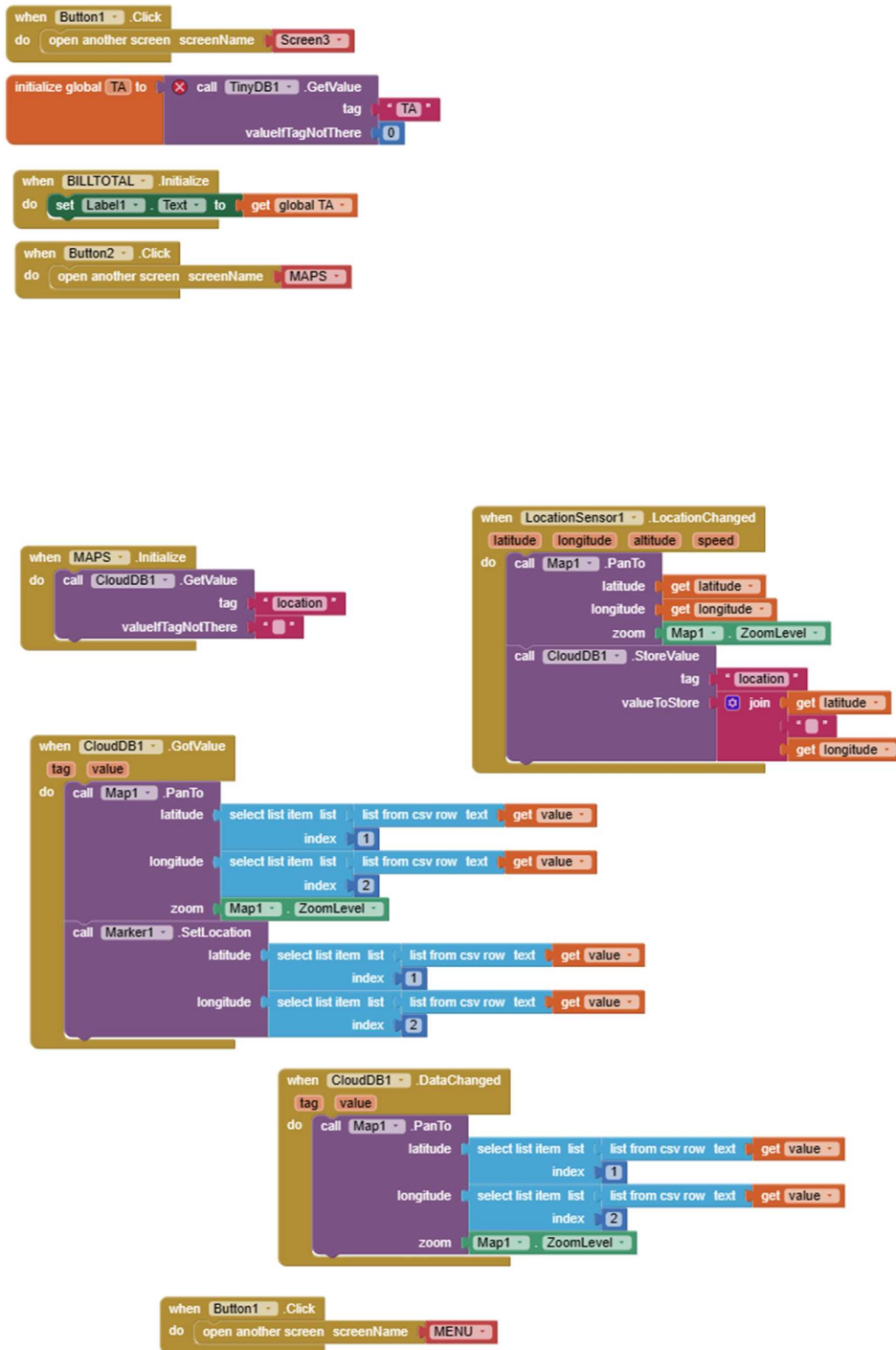
Menu Page : Consists of Search and Filter Options, Visual Display, Menu At A Glance, Choose Menu and Locate Us features



Billing Page : We have used a Checkbox themed billing page for the customer to choose their items. Clicking on the Payment button leads to the Payment Gateway.



## Locate Us Feature : Enables Location Tracking

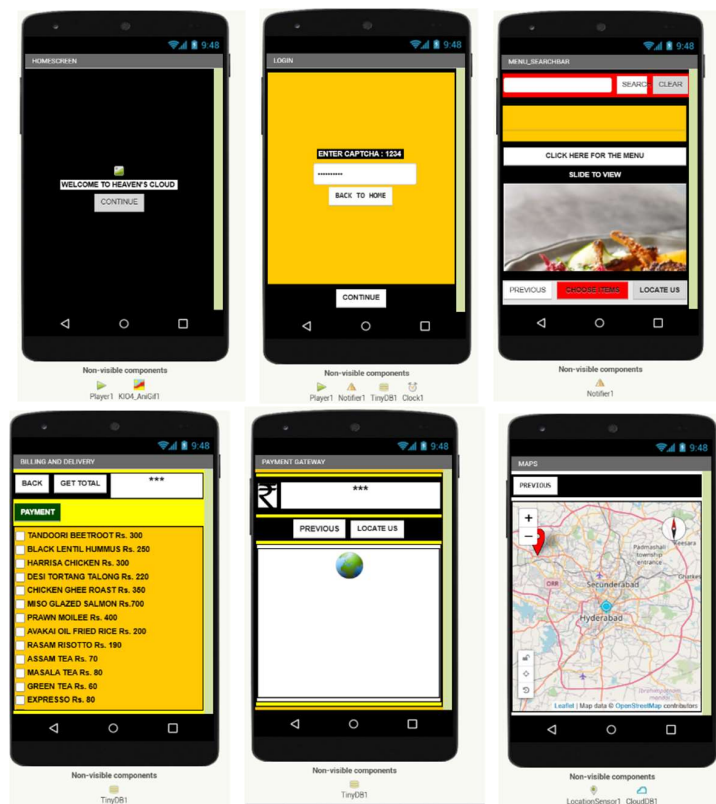


- Technology Stack
  - Extension Used For Importing Gifs : com.KIO4\_AniGif.aix
  - Used Player for background music and other sound effects
  - Notifier and Clock to play sound in a particular time interval
  - LocationSensor used to track location
  - CloudDB and TinyDB used as database for maps and storing bill value respectively.

## Design

- User Interface Design: High Contrast Theme with attractive visual elements.
- Wireframes and Mockups

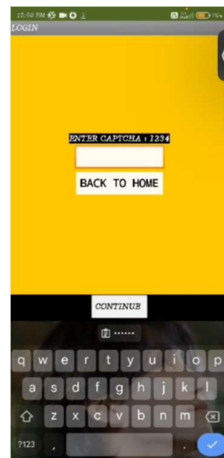
1. Welcome Page
2. Login Page
3. Menu Page
4. Billing Page
5. Payment Gateway
6. Maps/ Location Tracker



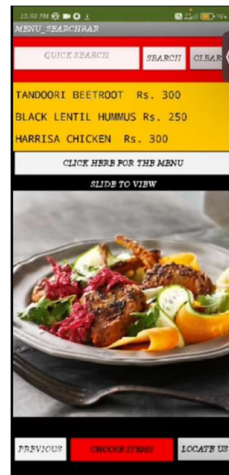
- Database Schema
  - TinyDB used for storing cumulative bill value
  - CloudDB used to store location coordinates to enable tracking

## User Documentation [Heaven's Cloud]

- Introduction
  - Welcome to Heaven's Cloud : An Introduction
  - Getting Started: How to Begin Using the App
- Key Features with screenshots
  - Feature 1: Login Page
    - How to Access : Click on Continue Button
    - How to Use : Enter Captcha to proceed



- Feature 2: Menu Display
  - How to Access: Login with correct captcha to proceed
  - How to Use: Choose Menu to select dishes. Swipe to see visual menu



- Feature 3: Search and Filter Options

- How to Access: Click the white button below the search bar
- How to Use: Search bar and menu at a glance are accessory features.
- Click on the Red Button – Choose Menu to select your options



- Feature 4: Billing Page

- How to Access: Click CHOOSE MENU in the Menu page
- How to Use: Select items and click on GET TOTAL to view the final bill. Proceed to Billing by clicking on the green PAYMENT button.

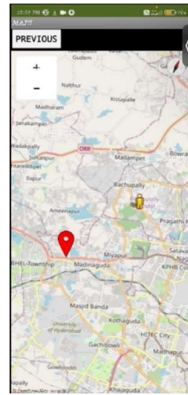


- Feature 4: Payment Gateway

- How to Access: Click on the Payment Button in the Billing and Delivery Page
- How to Use: Log in and Pay using the official website of the bank



- Feature 4: Location Tracker
  - How to Access: Click the Locate Us button
  - How to Use: The page Automatically displays your live location. The Location of the Restaurant is also marked in red.



- Troubleshooting and FAQs
  - Common Issues: Solutions to Frequently Encountered Problems
    - Requires few minutes to Display Payment Gateway due to Network Connectivity, Integration Issues or Server Performance
  - FAQs: Answers to Frequently Asked Questions
    - The Payment Gateway is not Loading !
      - In this situation it is recommended to wait for a few minutes or refresh the page.
      - Check for network connectivity issues
      - If the problem persists, reload the app