Floris flower sales application Android-based

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Abstract:

Flowers are one of the symbols of affection and love, so flowers are one of the promising business objects. Flower shops are usually found in several places sold by conventional versions. Flower shops can be sold in mountainous areas, urban areas, and tourist attractions, but with the development of technology such as Android and Websites to develop flower sales systems, nowadays sellers are turning towards android or mobile-based systems and desktop-based or with website technology. This article, for example, is one of the solutions for flower sellers, one of which is the flower shop 'Floris' in marketing the types of flowers in its shop by online or Website or Mobile based. This research provides various types or kinds of flowers of various types or types and sizes of flowers. The mobile programming language used is Kotlin. Besides Kotlin there are C++, C#, Java, and Javascript.

1. INTRODUCTION

There are several reasons why an online flower shop is more profitable, including a wider market reach: With an online flower shop, you can reach customers from various locations without being limited by geographical distance, thus increasing sales potential among others: 24-Hour Shop: An online shop can operate for a full 24 hours, allowing customers to make purchases at any time, increasing sales potential, Improving Brand Reputation: With an attractive online flower shop, you can strengthen your brand image and increase customer trust in your products, Lower Operating Costs: Compared to physical stores, online flower shops can reduce operational costs such as space rental and other operational costs, and Ease in Sales Process: Online flower shops ease the sales process, as customers can easily browse and purchase products anytime and anywhere. This research discusses how a step-by-step system can be made into an e-commerce system based on mobile programming.

2. METHOD

The first step is to create a flowchart so that the web can be conditioned step-by-step from start to finish.
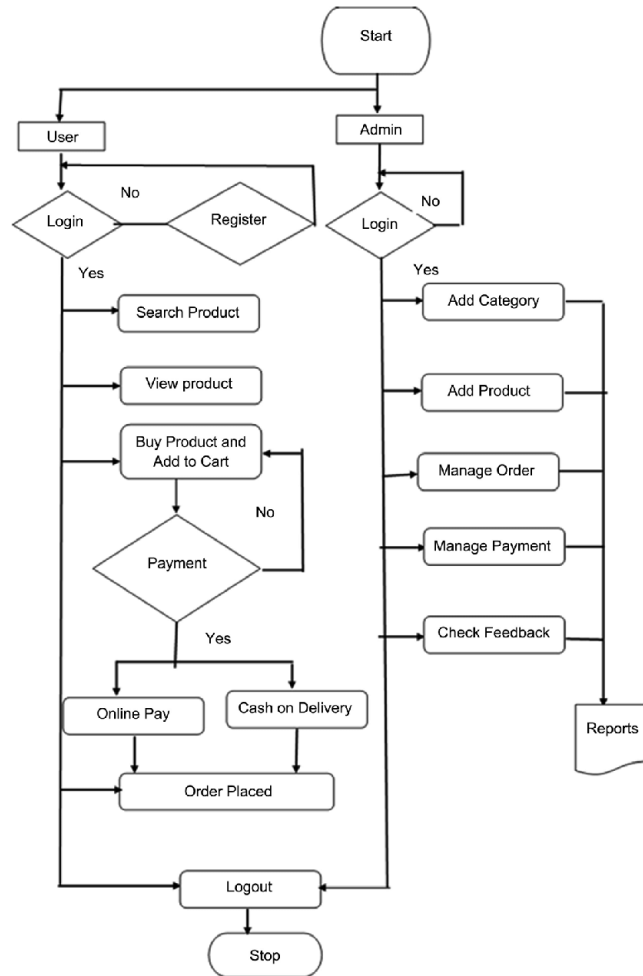
Fig.1 Flowchart of mobile-based flower sales system

3. RESULT AND DISCUSSION

In this discussion, we will first determine the Platform, Template, and Branding, and we determine Mobile as an example of the branding we are building.
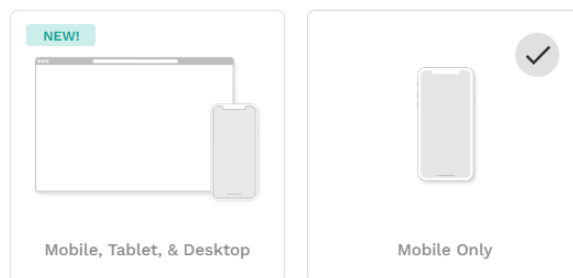
Fig.2 Mobile Platform

Fig.3 Branding
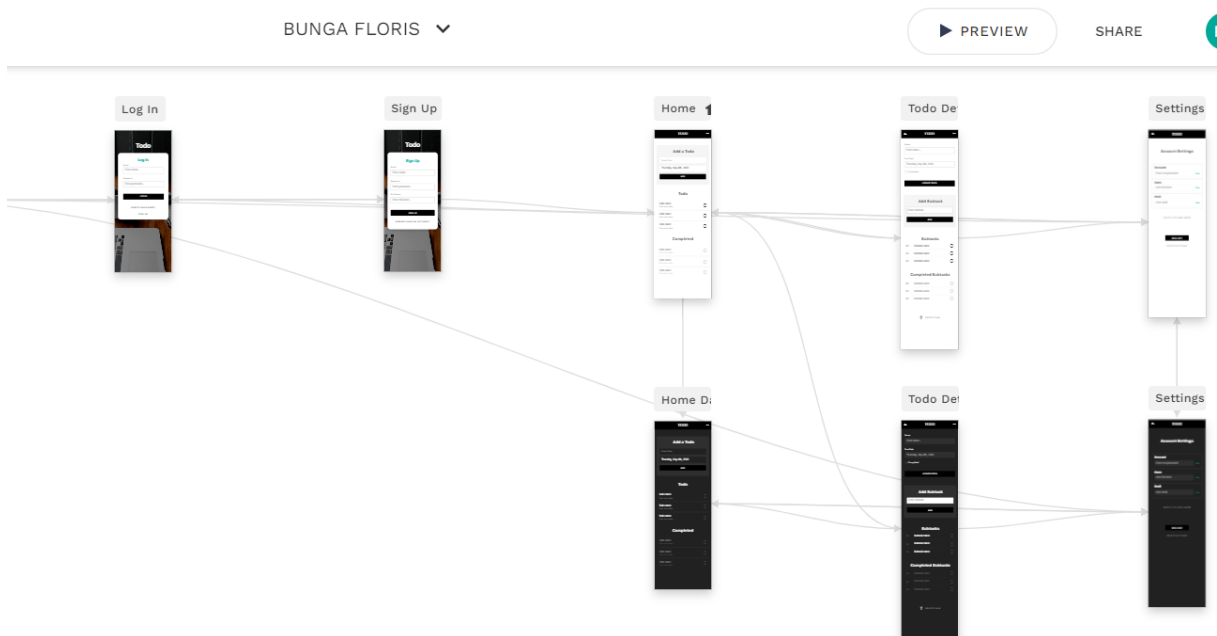
Fig.4 Connection between pages

```
CREATE DATABASE IF NOT EXISTS mydatabase;

USE mydatabase;


CREATE TABLE IF NOT EXISTS users (

    id INT PRIMARY KEY AUTO_INCREMENT,

    username VARCHAR(255),

    email VARCHAR(255)

);
```

```
CREATE TABLE IF NOT EXISTS orders (
    id INT PRIMARY KEY AUTO_INCREMENT,
    user_id INT,
    order_date DATE,
    total_amount DECIMAL(10,2),
    FOREIGN KEY (user_id) REFERENCES users(id)
);
    ------- Floris Flower StoreDatabases ------
```

4. CONCLUSION

Online flower shops have more benefits, including a wider market reach: With an online flower shop, you can reach customers from various locations without being limited by geographical distance, thus increasing sales potential among others: 24-Hour Store: An online shop can operate for a full 24 hours, allowing customers to make purchases at any time, increasing sales potential, Improving Brand Reputation: With an attractive online flower shop, you can strengthen your brand image and increase customer trust in your products, Lower Operating Costs: Compared to physical stores, online flower shops can reduce operational costs such as space rental and other operational costs, and Ease in Sales Process.

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AUTHOR CONTRIBUTIONS

All Author is responsible for building Conceptualization, Methodology, analysis, investigation, data curation, writing—original draft preparation, writing—review and editing, visualization, supervision of project administration, funding acquisition, and have read and agreed to the published version of the manuscript.

CONFLICTS OF INTEREST

The authors declare no conflict of interest.

REFERENCES

1. Z. Hayat, F. Azam, M. W. Anwar and Y. Rasheed, "A Novel Model-driven Framework for the Development of Web-based Geographical Information Systems," 2023 13th International Conference on Software Technology and Engineering (ICSTE), Osaka, Japan, 2023, pp. 26-30, doi: 10.1109/ICSTE61649.2023.00012. keywords:

{Photography;Visualization;Costs;Web services;Source coding;Unified modeling language;Transforms;Geographical Information Systems;Web-based Geographical Information Systems;Model Driven Architecture;Model Driven Software Engineering;Unified Modeling Language;Model to Text Transformation},

2. N. S. Tong, A. S. Shibghatullah and K. Subaramaniam, "An Online Seafood Store Management System in Malaysia," 2022 1st International Conference on AI in Cybersecurity (ICAIC), Victoria, TX, USA, 2022, pp. 1-5, doi: 10.1109/ICAIC53980.2022.9897021. keywords: {COVID-19;Industries;Economics;Pandemics;Databases;Machine vision;Passwords;Online;Seafood;Management},

3. S. Durai, C. Shyamalakumari and T. Sujithra, "Cloud Computing based Multipurpose E-Service Application using Flutter," 2022 6th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2022, pp. 1122-1126, doi: 10.1109/ICCMC53470.2022.9753968. keywords: {Cloud computing;Costs;Pricing;Electronic commerce;Task analysis;App Development;E-commerce;Online Retail;Flutter;Product Discoverer;Geofencing;AdobeXD},

4. S. F. Pür and Ş. Sağiroğlu, "A Novel Approach to Fashion-Based Analysis and Analytics Using an Intelligent In-store Camera System," 2020 5th International Conference on Computer Science and Engineering (UBMK), Diyarbakir, Turkey, 2020, pp. 1-6, doi: 10.1109/UBMK50275.2020.9219541. keywords: {Handheld computers;Cameras;Edge computing;Cloud computing;In-store Intelligent Camera System;Edge Computing;Cloud Computing;Customer Fashion Analysis;Customer Fashion Analytics},

5. Sigit Hudawiguna, Aat Aat, Sri Rahayu, "Perancangan Aplikasi Penjualan Online Daur Ulang Sampah Berbasis Android", November 2022, Jurnal Algoritma, DOI: 10.33364/algoritma/v.19-2.1171

6. Asri Mulyani, Yosep Septiana, Rizky Helmi, "Rancang Bangun Aplikasi Penjualan dan Persediaan Obat pada Apotek Berbasis Android", November 2022, Jurnal Algoritma, DOI: 10.33364/algoritma/v.19-2.1180

7. Agung Koes Indarto, Radite Purwahana, Souma Lado Syahputra, "Sistem Informasi Penjualan Kacamata Toko Optik Kunanti Berbasis Android", December 2022

8. Jurnal Ilmiah STMIK AUB, DOI: 10.36309/goi.v28i2.183

9. Mochamad Aditya Sunaryo, dkk, Implimentasi Sistem Informasi Penjualan Kuota Data Berbasis Android, June 2021, INFORMATION SYSTEM FOR EDUCATORS AND PROFESSIONALS , DOI: 10.51211/isbi.v5i2.1523

10. Adelonix Regia Raffin, dkk, Sistem Informasi Penjualan Berbasis Android Pada Outlet Marboba, August 2022, Jitekh (Jurnal Ilmiah Teknologi Harapan), DOI: 10.35447/jitekh.v10i1.566

11. Muhamad Fauzi, Hari Murti, Perancangan Sistem Informasi Penjualan Ayam Negri Berbasis Aplikasi Android Di Cv.Suyadi Broiler, February 2022Jurnal Tekno Kompak 16(1):1, Jurnal Teknokompak, DOI: 10.33365/jtk.v16i1.1540

12. Saripuddin Muddin, et.a;Perancangan Aplikasi Penjualan Barang Elektronik Berbasis Android, December 2021, Jurnal Teknologi dan Komputer (JTEK), DOI: 10.56923/jtek.v1i01.46

13. Tri Raharjo Yudantoro, et.al, PENERAPAN SISTEM APLIKASI PROMOSI DAN PENJUALAN ON LINE BERBASIS ANDROID PADA UKM BATIK BLEKOK DI KELURAHAN MANGUNHARJO KECAMATAN TEMBALANG KOTA SEMARANG, July 2022, Community Development Journal: Jurnal Pengabdian Masyarakat, Lembaga Penelitian dan Pengabdian Masyarakat, Universitas Pahlawan Tuanku Tambusai, DOI: 10.31004/cdj.v2i3.2960

14. Tias Beni Purabaya, Riza Nur Fadli, APLIKASI PEMESANAN DAN PENJUALAN BERBASIS ANDROID PADA WARUNG JENGGOT INDRAMAYU, September 2021Jurnal Investasi 7(4):75-94, Jurnal Investasi, ISSN 2442-4331 (Print) and ISSN 2686-102X (Online), DOI: 10.31943/investasi.v7i4.160

15. Y. Xiaozhou, X. Liang and M. Hongzhi, "An Intelligent Catering Service Platform Based on the "Android+J2EE"," 2015 4th International Conference on Advanced Information Technology and Sensor Application (AITS), Harbin, China, 2015, pp. 24-27, doi: 10.1109/AITS.2015.13.

16. M. M. R. Abir, M. B. Alam, A. Tabassum, M. T. Mahmud and M. M. Khan, "Development of Re-commerce Online Web-based Platform," 2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), Kuala Lumpur, Malaysia, 2021, pp. 1-6, doi: 10.1109/GUCON50781.2021.9573831.

17. V. Krishnamurthy, B. Jafrin Rosary, G. Oliver Joel, S. Balasubramanian and S. Kumari, "Voice command-integrated AR-based E-commerce Application for Automobiles," 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), Karaikal, India, 2023, pp. 1-5, doi: 10.1109/IConSCEPT57958.2023.10170152.

18. Y. Liu, C. Liu and Z. Su, "The Diversity Layout of E-commerce Applications Based on Android," 2018 IEEE International Conference of Safety Produce Informatization (IICSPI), Chongqing, China, 2018, pp. 715-718, doi: 10.1109/IICSPI.2018.8690375.

19. M. M. Uddin, R. Roy, S. A. Miduri and R. M. Rahman, "IronMan: An Android-Web Based Application for Laundry Services," 2022 IEEE International IOT, Electronics and Mechatronics Conference (IEMTRONICS), Toronto, ON, Canada, 2022, pp. 1-8, doi: 10.1109/IEMTRONICS55184.2022.9795823.

20. I. H. H. N. Dharmasena and J. A. D. C. A. Jayakody, "Voice-based Online Examination System for Visually Impaired Students," 2022 2nd International Conference on Advanced Research in Computing (ICARC), Belihuloya, Sri Lanka, 2022, pp. 367-372, doi: 10.1109/ICARC54489.2022.9754191. keywords: {Image recognition;Navigation;Pandemics;Education;Web pages;Input devices;Lead;Visually impaired;Online exam;voice-based system;Speech to Text;Text to Speech},