


Research Article

'Nyaman' boarding room booking application Android-based

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Abstract:

Boarding rooms need to be created based on Android to facilitate boarding room seekers in finding information about the availability of boarding rooms and making online reservations. Android is a Linux-based operating system for mobile phones such as smartphones and tablet computers. Android provides an open platform for developers to create their own applications for use by various mobile devices. By using Android technology, Google Map API, and GPS, the distribution of boarding houses can be easily mapped, so that people, especially students, can find boarding houses easily. Android-based boarding room booking is an application that facilitates the search and booking of boarding rooms. Here are the reasons why Android-based boarding room booking is necessary: Efficiency: The Android-based boarding room booking application simplifies the search and booking of boarding rooms, so that users do not have to bother looking for information about the availability of boarding rooms and make reservations manually.

Keywords: online boarding house, online customer, flexible, mobile programming, android



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1. INTRODUCTION

Android-based boarding room booking is an application that simplifies the search and booking of boarding rooms. Here are the reasons why Android-based boarding room booking is necessary: Efficiency: An Android-based boarding room booking application simplifies the search and booking of boarding rooms, so that users do not have to bother looking for information about the availability of boarding rooms and make reservations manually. Updated information: An Android-based rooming house booking application provides updated information on the availability of rooms, so that users can choose a room that suits their needs. Useful features: Android-based room booking apps often have useful features, such as search filters based on price, room type, and desired facilities. Easy access: Android-based room booking apps can be accessed through smartphones, allowing users to book a room easily and quickly. Room requirements: The need for boarding rooms is important for prospective students, so Android-based boarding room booking is very important to facilitate the search and booking of boarding rooms.

2. METHOD

The first step is to create a flowchart so that the web can be conditioned step-by-step from start to finish.

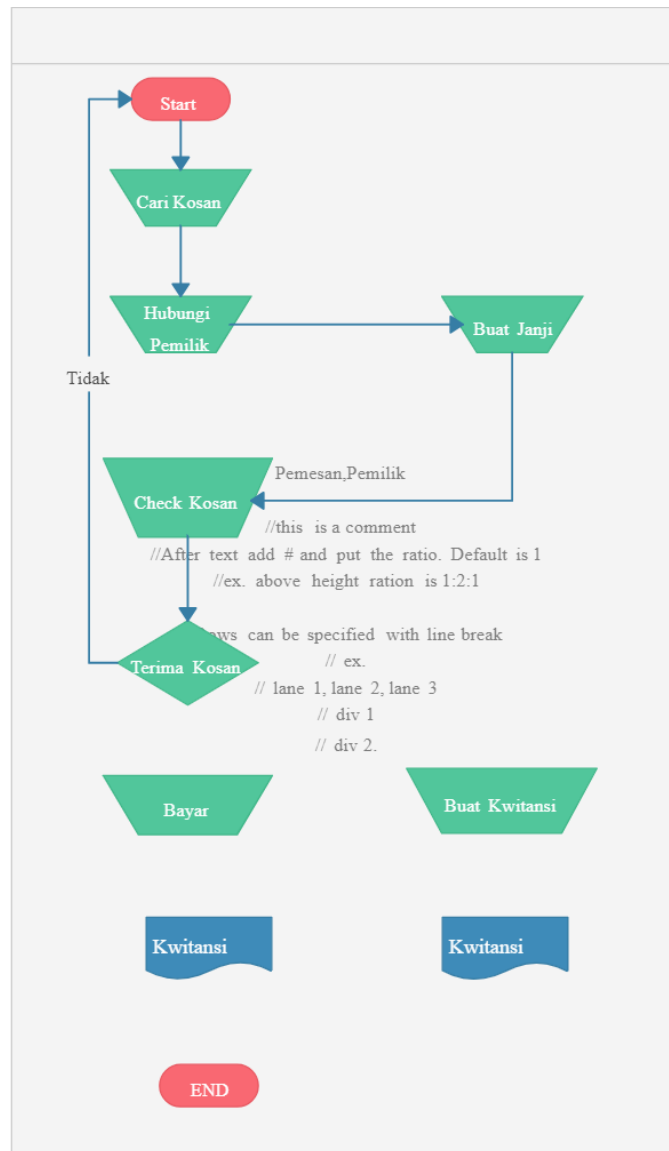


Fig.1 Flowchart of mobile-based boarding room booking system

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.

1 Platform ——— 2 Template ——— 3 Branding

Where do you want your users to access your app?

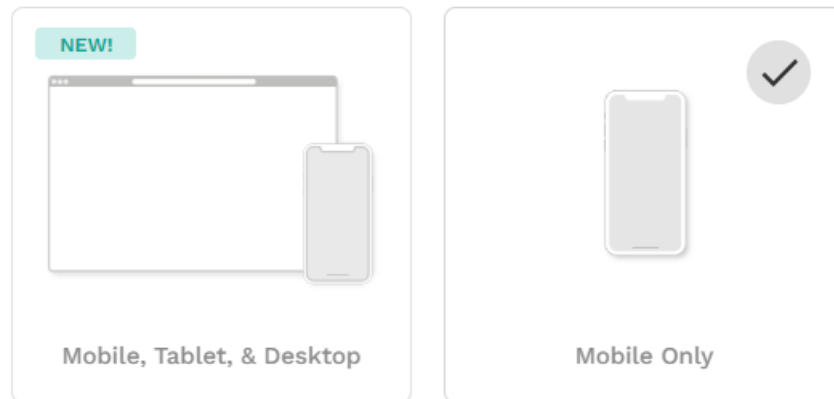


Fig.2 Platform Mobile

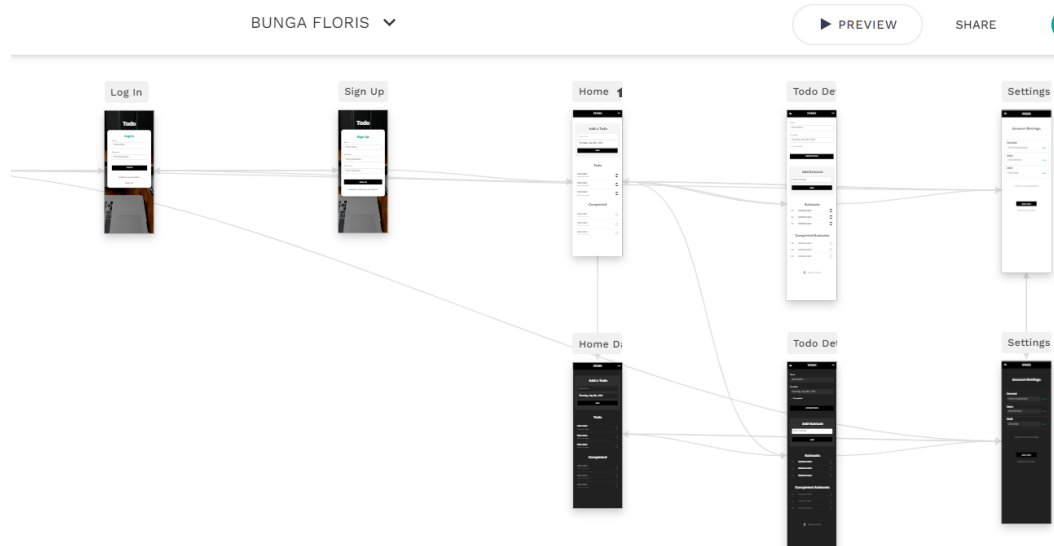


Fig.3 System Connection between pages

```
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)
);

----- Databases -----
```

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mydatabase";

// Membuat koneksi
$conn = new mysqli($servername, $username, $password,
$dbname);

// Memeriksa koneksi
if ($conn->connect_error) {
    die("Koneksi gagal: " . $conn->connect_error);
}
?>

----- connection -----
```

```
<?php
include 'koneksi.php';

// Mengambil data dari tabel users
```

```
$sqlUsers = "SELECT * FROM users";
$resultUsers = $conn->query($sqlUsers);

// Mengambil data dari tabel orders
$sqlOrders = "SELECT * FROM orders";
$resultOrders = $conn->query($sqlOrders);

// Menampilkan data
echo "<h2>Data Users</h2>";
if ($resultUsers->num_rows > 0) {
    echo "
        <table border='1'><tr><th>ID</th><th>Username</th><th>Email</th></tr>";
    while($row = $resultUsers->fetch_assoc()) {
        echo "
            <tr><td>".$row["id"]."</td><td>".$row["username"]."</td><td>".$row["email"]."</td></tr>";
        }
    echo "</table>";
} else {
    echo "Tidak ada data users.";
}

echo "<h2>Data Orders</h2>";
if ($resultOrders->num_rows > 0) {
    echo "
        <table border='1'><tr><th>ID</th><th>User ID</th><th>Order Date</th><th>Total Amount</th></tr>";
    while($row = $resultOrders->fetch_assoc()) {
        echo "
            <tr><td>".$row["id"]."</td><td>".$row["user_id"]."</td><td>".$row["order_date"]."</td><td>".$row["total_amount"]."</td></tr>";
        }
    }
}
```

```

        echo "</table>";
    } else {
        echo "Tidak ada data orders.";
    }

$conn->close();
?>

```

----- Display Data -----

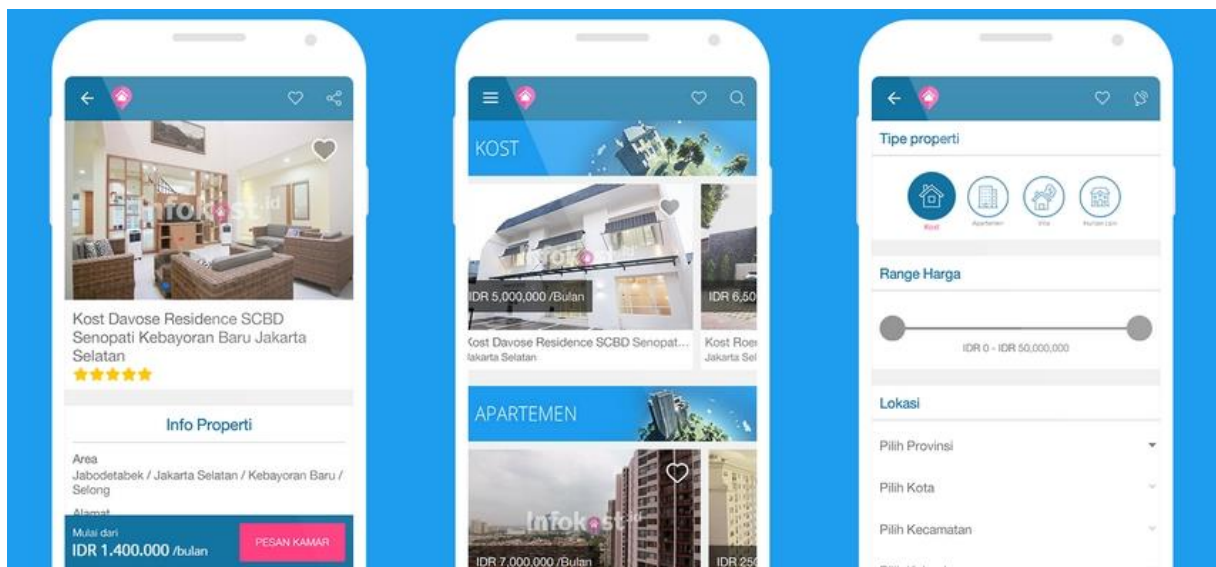


Fig.4 Example of display on mobile

3. CONCLUSION

The Android-based boarding room booking application facilitates the search and booking of boarding rooms, so that users do not have to bother looking for information about the availability of boarding rooms and make reservations manually. Updated information: The Android-based boarding room booking application provides updated information on the availability of boarding rooms, so that users can choose a boarding room that suits their needs. Useful features: Android-based room booking apps often have useful features, such as search filters based on price, room type, and desired facilities. Easy access: Android-based room booking apps can be accessed through smartphones, allowing users to book a room easily and quickly. Room requirements: The need for boarding rooms is important for prospective students, so Android-based boarding room booking is very important to facilitate the search and booking of boarding rooms.

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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.

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