<!DOCTYPE><!DOCTYPE>

**<**html**>**

**<**head**>**

**<**style**>**

body **{**

background-color: #CFB87C;

**}**

h1 **{**

text-align: center;

font-family: "Arial";

font-weight: bold;

text-transform: uppercase;

**}**

p **{**

text-align: center;

font-family: "Arial";

width: 75%;

margin: 0 auto;

**}**

ul **{**

list-style-type: none;

**}**

section **{**

width: 50%;

margin: 0 auto;

**{**

</style>

**<**title**>**Apartment Complex Database**</**title**>**

**</**head**>**

**<**body**>**

**<**h1**>**Slam Dunk Apartments DB**</**h1**>**

**<**p**>**Slam Dunk Apartments DB is a comprehensive database designed to streamline the management of a large apartment complex owned by a company. This database caters to various aspects of apartment management, tenant relations, amenity services, equipment loans, and property maintenance. The goal is to provide efficient tools for tracking tenant information, managing rental payments, and overseeing the myriad services offered by the apartment complex.**</**p**>**

**<**sectionid**=**"list"**>**

**<**ul**>**

**<**li**><**strong**>Player Profiles:</**strong**>** Capture detailed player information, including contact details, lease specifics,

and preferences.**</**li**>**

**<**li**><**strong**>Specialized Amenities:</**strong**>**

**<**ul**>**

**<**li**><**strong**>Hammer & Screwdriver Station:</**strong**>** Access to tools for quick fixes.**</**li**>**

**<**li**><**strong**>Laundry Machine Tokens & Supplies:</**strong**>** Hassle-free laundry with pre-loaded tokens and essential

supplies.**</**li**>**

**<**li**><**strong**>Postage Stamps Hub:</**strong**>** Convenient access to postage stamps for fan mail or important documents.**</**li**>**

**<**li**><**strong**>Curtain Rods Service:</**strong**>** Quick and efficient curtain rod replacements or adjustments.**</**li**>**

**</**ul**>**

**</**li**>**

**<**li**><**strong**>Financial Records:</**strong**>** Transparent tracking of financial transactions related to player amenities.**</**li**>**

**<**li**><**strong**>Maintenance Requests:</**strong**>** A dedicated system to prioritize and address maintenance requests promptly.**</**li**>**

**<**li**><**strong**>Reporting and Analytics:</**strong**>** Generate reports on specific aspects of basketball player accommodations for

data-driven decision-making.**</**li**>**

**</**ul**>**

**</**section**>**

**<**p**>**Slam Dunk Apartments DB is more than just a database; it's the heartbeat of a community where basketball meets

lifestyle, creating an environment that champions both excellence on the court and comfort at home.**</**p**>**

<?php

$**link** = **mysqli\_connect**("localhost", "tranjimm", "kuuiRZRaoT9K", "tranjimm\_DB");

// VIEW 1

$**sql** = " SELECT APARTMENT.AptID, TENANT.FName, TENANT.LName, TENANT.PhoneNumber, TENANT.Email FROM TENANT JOIN LEASE ON TENANT.LeaseID=LEASE.LeaseID JOIN APARTMENT ON LEASE.AptID=APARTMENT.AptID;";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='table-dark' style='width:50%; margin: 0 auto;'>";

echo "<caption><h2>Apartment Numbers & Tenant Contact Info</h2></caption>";

echo "<thead>";

echo "<tr style='text-align: left;'>";

echo "<th> Apartment Number </th>";

echo "<th> First Name </th>";

echo "<th> Last Name </th>";

echo "<th> Phone Number </th>";

echo "<th> Email </th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>"; // Move this line outside the while loop

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['AptID'] . "</td>";

echo "<td>" . $**row**['FName'] . "</td>";

echo "<td>" . $**row**['LName'] . "</td>";

echo "<td>" . $**row**['PhoneNumber'] . "</td>";

echo "<td>" . $**row**['Email'] . "</td>";

echo "</tr>";

}

echo "</tbody>"; // Move this line outside the while loop

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

// VIEW 2

$**sql** = "SELECT LEASE.LeaseID, LEASE.Term, TENANT.FName, TENANT.LName, TENANT.PhoneNumber, TENANT.Email, PAYMENT.DueDate, PAYMENT.PaidDate, PAYMENT.Amount FROM TENANT NATURAL JOIN LEASE NATURAL JOIN PAYMENT WHERE PAYMENT.DueDate < PAYMENT.PaidDate";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='table-dark' style='width:75%; margin: 0 auto;'>";

echo "<caption><h2>Late Payments & Tenant Contact Info</h2></caption>";

echo "<thead>";

echo "<tr style='text-align: left'>";

echo "<th> Lease ID </th>";

echo "<th> Term (Months) </th>";

echo "<th> First Name </th>";

echo "<th> Last Name </th>";

echo "<th> Phone Number </th>";

echo "<th> Email </th>";

echo "<th> Due Date </th>";

echo "<th> Paid Date </th>";

echo "<th> Amount </th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['LeaseID'] . "</td>";

echo "<td>" . $**row**['Term'] . "</td>";

echo "<td>" . $**row**['FName'] . "</td>";

echo "<td>" . $**row**['LName'] . "</td>";

echo "<td>" . $**row**['PhoneNumber'] . "</td>";

echo "<td>" . $**row**['Email'] . "</td>";

echo "<td>" . $**row**['DueDate'] . "</td>";

echo "<td>" . $**row**['PaidDate'] . "</td>";

echo "<td>" . $**row**[‘Amount’] . "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

// VIEW 3

$**sql** = "SELECT DISTINCT LEASE.LeaseID, TENANT.FName, TENANT.LName, TENANT.PhoneNumber, LEASE.StartDate, LEASE.EndDate, AMENITY.AmenityName

FROM LEASE

JOIN TENANT ON LEASE.LeaseID = TENANT.LeaseID

JOIN USED\_AMENITY ON TENANT.TenantID = USED\_AMENITY.TenantID

JOIN AMENITY ON USED\_AMENITY.AmenityID = AMENITY.AmenityID

WHERE LEASE.EndDate >= CURDATE() AND LEASE.EndDate <= DATE\_ADD(CURDATE(), INTERVAL 90 DAY) AND AMENITY.FlagType = 'RENTAL'";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='table-dark' style='width:75%; margin: 0 auto;'>";

echo "<caption><h2>Leases Expiring in 3 Months</h2></caption>";

echo "<thead>";

echo "<tr style='text-align: left'>";

echo "<th> Lease ID </th>";

echo "<th> First Name </th>";

echo "<th> Last Name </th>";

echo "<th> Phone Number </th>";

echo "<th> Lease Start Date </th>";

echo "<th> Lease Expiration Date</th>";

echo "<th> Amenity Name </th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['LeaseID'] . "</td>";

echo "<td>" . $**row**['FName'] . "</td>";

echo "<td>" . $**row**['LName'] . "</td>";

echo "<td>" . $**row**['PhoneNumber'] . "</td>";

echo "<td>" . $**row**['StartDate'] . "</td>";

echo "<td>" . $**row**['EndDate'] . "</td>";

echo "<td>" . $**row**['AmenityName'] . "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

// VIEW 4

$**sql** = "SELECT

AMENITY.FlagType,

YEAR(USED\_AMENITY.StartDate) AS StartYear,

MONTH(USED\_AMENITY.StartDate) AS StartMonth,

SUM(AMENITY.Cost \* COALESCE(USED\_AMENITY.ReturnDate - USED\_AMENITY.StartDate, 1)) AS TotalAmount

FROM

AMENITY

JOIN

USED\_AMENITY ON AMENITY.AmenityID = USED\_AMENITY.AmenityID

WHERE

USED\_AMENITY.StartDate >= DATE\_FORMAT(DATE\_SUB(CURDATE(), INTERVAL 365 DAY), '%Y-%m-01')

AND (AMENITY.FlagType = 'LOAN' OR AMENITY.FlagType = 'SALE')

GROUP BY

AMENITY.FlagType, StartYear, StartMonth

ORDER BY

StartYear, StartMonth, AMENITY.FlagType;";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='table-dark' style='width:50%; margin: 0 auto;'>";

echo "<caption><h2>Total Sales & Loans Profit By Month </h2></caption>";

echo "<thead>";

echo "<tr style='text-align: left'>";

echo "<th> Type </th>";

echo "<th> Year </th>";

echo "<th> Month </th>";

echo "<th> Profit </th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['FlagType'] . "</td>";

echo "<td>" . $**row**['StartYear'] . "</td>";

echo "<td>" . $**row**['StartMonth'] . "</td>";

echo "<td>" . $**row**['TotalAmount'] . "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

// VIEW 5

$**sql** = "SELECT MAINTENANCE.Category, MAINTENANCE.RequestedDate, MAINTENANCE.ScheduledDate, MAINTENANCE.CompletedDate FROM MAINTENANCE ORDER BY MAINTENANCE.Category, MAINTENANCE.RequestedDate";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='table-dark' style='width:50%; margin: 0 auto;'>"; // Centering using margin: 0 auto;

echo "<caption><h2>Maintenance Projects</h2></caption>";

echo "<thead>";

echo "<tr style='text-align:left;'>";

echo "<th> Category</th>";

echo "<th> Date Requested </th>";

echo "<th> Date Scheduled</th>";

echo "<th> Date Completed</th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['Category'] . "</td>";

echo "<td>" . $**row**['RequestedDate'] . "</td>";

echo "<td>" . $**row**['ScheduledDate'] . "</td>";

echo "<td>" . $**row**['CompletedDate'] . "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

// VIEW 6

$**sql** = "SELECT MAINTENANCE.Category, MAINTENANCE.Quarter,

COUNT(MAINTENANCE.CompletedDate) AS CompletedProjects,

(COUNT(MAINTENANCE.CompletedDate) / COUNT(MAINTENANCE.RequestedDate) \* 100) AS PercentageComplete,

AVG(MAINTENANCE.CompletionTime) AS AverageTime

FROM MAINTENANCE

GROUP BY MAINTENANCE.Category, MAINTENANCE.Quarter;";

if ($**result** = **mysqli\_query**($**link**, $**sql**)) {

if (**mysqli\_num\_rows**($**result**) > 0) {

echo "<table class='center table-dark' style='width:75%; margin: 0 auto;'>";

echo "<caption><h2>Quarterly Report of Maintenance Projects</h2></caption>";

echo "<thead>";

echo "<tr style='text-align:left;'>";

echo "<th> Category</th>";

echo "<th> Quarter </th>";

echo "<th> Number of Completed Projects</th>";

echo "<th> Percentage of Completed Projects</th>";

echo "<th> Average Completion Time (Hours)</th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while ($**row** = **mysqli\_fetch\_array**($**result**)) {

echo "<tr>";

echo "<td>" . $**row**['Category'] . "</td>";

echo "<td>" . $**row**['Quarter'] . "</td>";

echo "<td>" . $**row**['CompletedProjects'] . "</td>";

echo "<td>" . **number\_format**($**row**['PercentageComplete'], 2) . "%</td>";

echo "<td>" . $**row**['AverageTime'] . "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

} else {

echo "No records matching your query were found. ";

}

} else {

echo "ERROR: was not able to execute SQL query. " . **mysqli\_error**($**link**);

}

?>

**</**body**>**

**</**html**>**