Project Scope Documentation

|  |  |
| --- | --- |
| Project Name | CSCI 3432 Group Project – Pink Paradise Plateau Apartments |
| Project Team | * Team Leader and Customer Advocate: Jenna Lovett * DB Application Developers: Kirk Alexander and Troy Purvis * DBA, Server and Configuration Management: Dallas Martin * QA/Test, Security, and Tech Support: Tyler Hodzen |
| Project Deliverables | 1. List number and criteria of vacant apartments 2. List all registered pets that have not been paid for 3. List all red vehicles 4. What apartment model is the most popular? 5. What is the average apartment size (in sqft)? 6. What is the maximum rent amount? 7. How much credit does resident 045 have on their account? 8. List pets by highest to lowest weight 9. List all past due payments 10. List all residents who are also employees |
| Project Requirements | 1. Create a GUI Mockup 2. Perform a fitness test (assuming model has sufficient info)    1. Trace each question on the model    2. Add more information on second iteration    3. Trace all transactions and select critical one or two 3. Live Tests    1. Prepare a small set of test data    2. Run the SQL queries on the project deliverables    3. Prepare additional exploratory questions and experiment    4. Enrich the model on third iteration 4. Test and Improve    1. Generate volume tests    2. Conduct performance testing    3. Denormalize if necessary on fourth iteration 5. Develop app to update DB    1. Conduct usability testing    2. Specify improvements for next release on fifth iteration |

|  |  |
| --- | --- |
| Table Name | Table Columns |
| Residents | * Resident\_ID(pk) * Apt\_Number(fk) * FName * LName * SocialSecurity |
| Pets | * Pet\_ID(pk) * Resident\_ID(fk) * Name * Breed * Weight * Registration\_Date * Payment\_Date |
| Resident\_Vehicles | * License\_Plate(pk) * Resident\_ID(fk) * Make * Model * Color * Registration\_Date * Decal\_Sticker |
| Employees | * Employee\_ID(pk) * FName * LName * Dept\_Number(fk) * Resident\_ID(fk) |
| Invoices | * Invoice\_ID(pk) * Resident\_ID(fk) * Invoice\_Date * Payment\_Date * Rent\_Amount * Credit\_Amount * Due\_Date * Card\_Number * Card\_Type |
| Departments | * Dept\_Number(pk) * Dept\_Name |
| Leases | * Lease\_ID(pk) * Resident\_ID(fk) * Sign\_Date * Sent\_Date |
| Apartment\_Models | * Apt\_Number(pk) * Num\_Beds * Num\_Baths * Sqft * Total\_Amount |