Final Report

Rate my world leader

Adam Finer, Thomas Bonatti, John Hamilton

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EXECUTIVE SUMMARY

This final report document begins with a description of the initial problem that this project was intended to solve. The solution to that problem, a discussion of the key challenges that were faced over the course of the project, and a description of the database design will follow. The description of the database design will include the integrity constraints that were applied, the indexing scheme, views and stored procedures that were used, and a discussion of the pros and cons of the design.

INTRODUCTION

This document is the final report on the Rate My World Leader project developed by a team consisting of Adam Finer, Thomas Bonatti, and John Hamilton. The purpose of this document is to properly and effectively describe the problem described in previous documents, the Final Problem Statement, and to additionally describe the solution implemented by the team.

Problem Description

In the modern world, there are numerous people from hundreds of different areas who are considered to be world leaders. There are presidents, prime ministers, kings, queens, senators, governors, and numerous other positions that those leaders fill. Taking the concept of the Rate My Professor website of rating professors on a scale and commenting on them, the team envisioned an idea to create an application that would allow users from around the world to rate the leaders of the world. The end result of this program was intended to be a user interface called Rate my World Leader on which a user could login and use the implemented features of the application.

Below is the list of features for the final version of the database, there are some additional features that have been added on since the final problem statement was turned in.

|  |  |
| --- | --- |
| Feature Name | Feature Explanation |
| User accessible application | The way to access the application is through a downloadable application |
| Administrative privileges | If a user is of administrative status, he or she can delete non admin users, add and update the status of world leaders, upgrade non-admins to admin status, and many other actions that normal users can not perform. |
| User account creation | Any person can access the application and create an account with a valid email, unique username, and password. The password can be reset by an admin at any time and is stored in the database in a hashed format. Also, non-admin users cannot see another user’s email. |
| Login | Once an account is created, a user can login at any time to their account using there correct email and password. |
| Rate leaders | Any user, once they are logged into the database, can add a single rating for any leader. The rating consists of a scalar from 0-10 where 0 means they hate the leader and 10 means they believe that leader is the best leader on the planet and a description of the leader that the user authors. |

For the glossary: valid email: an email in the format ‘--@--.--.— ‘