



# PARKS & RECREATION Database Project

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Language: English

This is the submitted version (Stable).

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Release date: 05/02/2016

## INTRODUCTION

The Parks & Recreation web application retrieves information about different parks that have associated trails and camps with various activities.





All the information is stored in a relational database and various selections are provided via the web interface that make SQL queries to the database and present the results.

Other contents include project information and team members' contact.

## REQUIREMENTS

1. **MICROSOFT WINDOWS 10**
2. **Install WAMP software**
3. **Copy contents of supplied .zip file**
4. **Import database content**

*Recommended Browsers (in order of preference):*

-  Mozilla Firefox (minimum version 45.0.1)
-  Google Chrome (minimum version 50.0.2661.94 m)
-  Microsoft Edge (minimum version 25.10586.0.0)
-  Internet Explorer (minimum version 11.212.10586)

## INSTRUCTIONS

Prerequisite to installing WAMP software:

- Make sure that you are "up to date" in the redistributable packages:
  - VC9 Packages (Visual C++ 2008 SP1)  
<http://www.microsoft.com/en-us/download/details.aspx?id=5582>  
<http://www.microsoft.com/en-us/download/details.aspx?id=2092>
  - VC10 Packages (Visual C++ 2010 SP1)  
<http://www.microsoft.com/en-us/download/details.aspx?id=8328>  
<http://www.microsoft.com/en-us/download/details.aspx?id=13523>
  - VC11 Packages (Visual C++ 2012 Update 4)  
The two files `VSU4Wvcredist_x86.exe` and `VSU4Wdcredist_x64.exe` to be downloaded are on the same page: <http://www.microsoft.com/en-us/download/details.aspx?id=30679>
  - VC13 Packages (Visual C++ 2013)  
The two files `VSU4Wvcredist_x86.exe` and `VSU4Wdcredist_x64.exe` to be downloaded are on the same page: <http://www.microsoft.com/en-us/download/details.aspx?id=40784>
  - VC14 Packages (Visual C++ 2015)  
The two files `VSU4Wvcredist_x86.exe` and `VSU4Wdcredist_x64.exe` to be downloaded are on the same page: <http://www.microsoft.com/en-us/download/details.aspx?id=48145>

*If you have a 64-bit Windows, you must install both 32 and 64bit versions, even if you do not use Wampserver 64 bit.*

- Close Skype.
- Disable IIS.

### 1. Install WAMP software.

Administrative rights are required to install the WAMP software.

WAMP is a Windows Web development environment for Apache, MySQL, PHP databases.

Download the WAMP software available at: <https://sourceforge.net/projects/wampserver/>

The current download file is: `wampserver3_x86_apache2.4.17_mysql5.7.9_php5.6.15.exe`

Install the WAMP software using with the following selections:

- Language: English
- Next
- License Agreement: I accept the agreement
- Next
- Information: Next
- Select Destination Location: C:\wamp
- Next
- Select Start Menu Folder: Wampserver
- Next
- Select Additional Tasks: ☒ (resources/checked.png) Create desktop icon
- Next
- Ready to Install: Install
- Default Browser selection is IE Explorer. Do not choose another browser, select NO.
- Default text editor is The Notepad. Do not choose another text editor, select NO.
- Information: Next
- Setup -Wampserver: ☒ (resources/checked.png) Launch Wampserver
- Finish
- WAMP install is complete.

The default folder is **C:\wamp**


The default account name is: root and no password.

## 2. Copy contents of supplied .zip file

Inside the directory **C:\wamp\www** create a new folder called **parks**

- Extract the contents of the submitted zip file into **C:\wamp\www\parks**

## 3. Import database content

Open phpMyAdmin by left-clicking on  found on the system tray and

left-click  then left-click on "phpMyAdmin"

- Login with **user** = "root", **password** = "". Press **Go**.

- From top menu  **Databases**  **SQL**  **Status**  **User accounts**  **Export**  **Import**  **More** ,  
select  **Import**

- Under File to Import, select Browse..., then navigate to **C:\wamp\www\parks** and select **data.sql**, and click Open


- Select **Go** button on bottom of **Importing into the current server screen**

- Wait for screen to change to confirm importing

At this point the import of data to database is complete.

## PROGRAM USE

1. Open a browser page and use address **http://localhost/parks**

2. To observe the different SQL queries you can choose options and press the appropriate  submit button.

## CONTRIBUTIONS

### TEAM MEMBER | CONTRIBUTION

#### CESAR AVITIA:

- Provided contribution with planning
- Submitted one ER Diagram mock-up
- Contributed to Normalized ER Diagram
- Created SQL script (create, insert/update statements) for creating and populating tables
- Contributed to UI bug fixes
- Contributed segment to video presentation
- Attended 7 out of 7 meetings

#### BRENDA REARDEN:

- Made the Google Docs we needed
- Provided contribution with planning
- Submitted one ER Diagram mock-up
- Contributed and generated Normalized ER Diagram
- Wrote queries one and two in PHP (Rudi added the functionality of it to connect to the database and refactored)
- Refactored the logic in PHP for queries three and four (Pair programmed with Cord)
- Contributed segment to video presentation
- Video Presentation merging, editing, and publishing
- Moral support for all the awesome stuff Rudi was doing
- Attended 7 out of 7 meetings

#### CORD REARDEN:

- Provided contribution with planning
- Submitted one ER Diagram mock-up
- Wrote queries three and five in PHP (Rudi added the functionality of it to connect to the database and refactored)
- Refactored the logic in PHP for queries three and four (Pair programmed with Brenda)
- Contributed to Normalized ER Diagram
- Contributed segment to video presentation
- Attended 6 out of 7 meetings

#### RUDI WEVER:

- Helped with planning by outlining project domain
- Contributed to and submitted ER Diagram
- Contributed to Normalized ER Diagram
- Defined queries to showcase functionality of the database
- Established GitHub repository for version control and distribution
- Refined SQL command to accurately reflect query five
- Designed, Developed, and Tested UI
- Refactored logic in PHP for all queries
- Created README file
- Contributed segment to video presentation
- Attended 7 out of 7 meetings

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