Root Cause Analysis

**Points possible:** 50

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| Category | Criteria | % of Grade |
| Critical Thinking | Student identifies difficulties and blockers met during the week’s project and shows an understanding of why they occurred. Student exhibits problem solving skills by following the problem to the root cause and identifying solutions to overcome the problem. | 34 |
| Citations | Student references sources used to overcome the issues outlined. | 33 |
| Organization | Thoughts are concise and clear. | 33 |

**Instructions:** Identify difficulties, errors, or mistakes made this week. Ponder and research the root cause for these issues. Write what you learned from them. Push this document to your GitHub repository for this week. Lastly, in the Learning Management System, click the “Add Submission” button and paste the URL to your GitHub repository.

**Difficulties, Errors, or Mistakes:**

**This week I had some difficulties with the table relationships. I was able to identify the different relationships with my classmates, but I still don’t feel like I have a great understanding of them. The 1-1 and many to many relationships make sense, but I had some confusion with the one to many relationship in my entity class.**

**Root Cause:**

**There was confusion because I was forgetting the type of relationship between the tables.**

**What did you learn from these issues?**

**One row in a table is associated with one or more rows in another table. The foreign key is also always on the many side.**

**References:**

**I review Nick’s youtube video about table relationships and looked over my notes. I also referred to the following website:**

[**www.towardsdatascience.com/a-practical-summary-of-basic-sql-61b107602ab9**](http://www.towardsdatascience.com/a-practical-summary-of-basic-sql-61b107602ab9)

**URL to GitHub Repository:**

[**https://github.com/tjsun15/Spring-hw-19.git**](https://github.com/tjsun15/Spring-hw-19.git)