Chapter Case: Campus Bikes  
5-1 Homework Activity - Module Five

John C. Aghadiuno

Southern New Hampshire University

Professor Allyson Heisey

05/31/2018

Chapter Case: Campus Bikes  
5-1 Homework Activity - Module Five

# Software Requirements Analysis

## Output

* The system must integrate with the existing accounting system BumbleBee.
* The system must provide visual representation of business activities, trends and core business metrics; including sales, profit and loss, interests and activities.
* The system must produce business analytics and reports that allows custom aggregation, grouping and filtering of data by user-defined metrics including custom date ranges and activity types.
* The system must produce membership activity and wellness logs.
* The system must produce customizable fitness coaching based on age groups.
* The system must provide both secure and public access online and be available globally.
* The system must allow access to customized training programs and services based on user interests and activities.

## Input

* The system must allow for online registrations and account management by customers.
* The system must store membership activity and wellness logs.
* The system must capture relevant information about the customer and their interests.
* The system must provide a messaging system for communication between staff, instructors and members.
* The system must allow users to sign up for special promotions and discounted services.
* The system must have a content management system and be able to share information across social media and via subscriptions.

## Process

* The system must integrate with the existing financial system and share data.
* The system must be able to save members’ financial information to the financial system.
* The system must be able to pull information from existing financial system.
* The system must have built-in algorithms to enforce business rules and objectives.

## Performance

* The system must be able to scale and support thousands of users simultaneously.
* The system must be able to handle core business processes.
* The system must have a friendly interface, easy to use and accessible on any device.

## Control

## The system must provide a secure single log-in enterprise-wide.

## The system must provide authentication, authorization and access control mechanisms consistent with business rules.

## The system must provide for the security, integrity, reliability, retention and back-up of data in accordance with applicable state laws, governing bodies, industry standards and business rules.

References

Last Name, F. M. (Year). Article Title. *Journal Title*, Pages From - To.

Rosenblatt, H., & Scott, T. (2017). Systems Analysis and Design (11th ed.)*.* Retrieved from https://mbsdirect.vitalsource.com/#/books/9781337424202/

Southern New Hampshire University. (n.d.). Campus Bikes. [PDF file]. Retrieved from https://learn.snhu.edu/d2l/lor/viewer/viewFile.d2lfile/47266/20676,1/

Footnotes

1[Add footnotes, if any, on their own page following references. For APA formatting requirements, it’s easy to just type your own footnote references and notes. To format a footnote reference, select the number and then, on the Home tab, in the Styles gallery, click Footnote Reference. The body of a footnote, such as this example, uses the Normal text style. (Note: If you delete this sample footnote, don’t forget to delete its in-text reference as well. That’s at the end of the sample Heading 2 paragraph on the first page of body content in this template.)]

Tables

Table 1

[Table Title]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Head | Column Head | Column Head | Column Head | Column Head |
| Row Head | 123 | 123 | 123 | 123 |
| Row Head | 456 | 456 | 456 | 456 |
| Row Head | 789 | 789 | 789 | 789 |
| Row Head | 123 | 123 | 123 | 123 |
| Row Head | 456 | 456 | 456 | 456 |
| Row Head | 789 | 789 | 789 | 789 |

Note: [Place all tables for your paper in a tables section, following references (and, if applicable, footnotes). Start a new page for each table, include a table number and table title for each, as shown on this page. All explanatory text appears in a table note that follows the table, such as this one. Use the Table/Figure style, available on the Home tab, in the Styles gallery, to get the spacing between table and note. Tables in APA format can use single or 1.5 line spacing. Include a heading for every row and column, even if the content seems obvious. A default table style has been setup for this template that fits APA guidelines. To insert a table, on the Insert tab, click Table.]

Figures title:

Figure 1. [Include all figures in their own section, following references (and footnotes and tables, if applicable). Include a numbered caption for each figure. Use the Table/Figure style for easy spacing between figure and caption.]

For more information about all elements of APA formatting, please consult the APA Style Manual, 6th Edition.

# References

Rosenblatt, H., & Scott, T. (2017). Systems Analysis and Design (11th ed.)*.* Retrieved from https://mbsdirect.vitalsource.com/#/books/9781337424202/

Southern New Hampshire University. (n.d.). Campus Bikes. [PDF file]. Retrieved from https://learn.snhu.edu/d2l/lor/viewer/viewFile.d2lfile/47266/20676,1/