Systems Requirement Checklist  
3-1 Homework Activity - Module Three

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# 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

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

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