**Spartan Market**

**Team 17**

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**Project Description:**

“Make your reading not only reading, but also values!”

The database application we are proposing is titled ‘Spartan Market.’ The application is to serve people who enjoy reading and want to benefit from it. Nowadays, people spend a lot of time on social media and watching videos. Although people can relieve stress when they use these applications, but when they are off, people feel lonely and makes them want to go online again which can lead to an addiction. These forms of entertainment do not bring real happiness to people.

According to Felecia in “10 Benefits Of Reading”, she mentions that reading helps people to learn and improves memory, develop good analytical skills, expand their vocabulary, improve writing skills, relaxation, improve concentration, inspire them, even reading with their kids to increase time with families, improve their language skills, and wrap up. We want to create a platform for people who like to read and make that experience worthwhile for them.

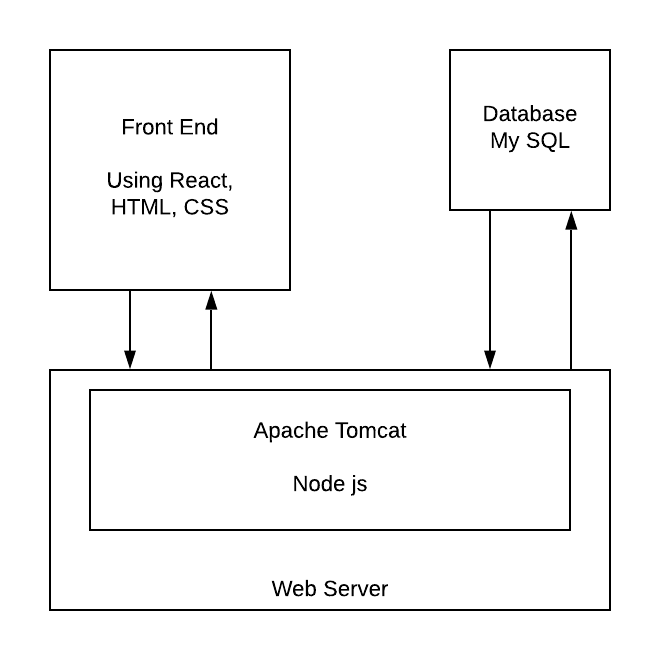
The application would have many kinds of books such as Children’s Books, Novels, Magazines, Textbooks, etc. We also plan on selling school supplies, and swag and we want to make this a go-to application for SJSU students. Unlike the school bookstore, we want to allow users to also sell their textbooks and supplies.

Spartan market should convenience to students and stuff at SJSU to buy whatever they want.

* Stakeholders
  + SJSU Students - The targeted user base for our application are the students of the university, so they serve as the primary stakeholders in this project.
  + Team 17 - As developers of this application, we are heavily invested in this project and we want to be able to have this application used by our fellow students.
  + Professor Wu - Professor Mike Wu will be overlooking our project to completion and will be our best resource if we need anything.

**System Environment**

* + Structure of the system



* + Database is MySQL.
  + Languages used is JavaScript.
  + Software for backend is Node.js, Apache HTTP Server, Apache Tomcat
  + Software for frontend is React.js, HTML, CSS.

**Functional Requirements**

* Describe users:

Users can be unregistered or registered users. Unregistered users can browse items on Spartan Market without buy items. Registered users can browse items, buy items, set their delivery information, and payments.

* Users can access the system:
  + create a new account: user ID uses their email address, and password consist with letters and numbers.
  + login using user ID and password
  + forgot password function: if users forget their password, they can change their password using their email.
  + save user’s information: first name, last name, address line, and zip code.
  + save user’s payment: credit card information, store or not store.
  + save user’s cart: items that users put into cart.
  + a search bar for users to find which good they want
* Describe each functionality/features, functional processes and I/O(s).

Items

* + Category (String): kinds of iterms
  + Item ID (Int & primary value): every item has their individual ID
  + Item Name (String)
  + Amount(Int)
  + Price (Double)
  + Producer (String)

Cart

* + Items which users choose
  + The amount of each item

Payment page

* + Items
  + Total payment
  + Enter address to ship
  + Confirm payment method

Map

* + Show our stores in Google Map

Contact us

* + Website information
  + Email to contact

**Non-functional Issues**

* Types of Graphical User Interface (GUI) and Software tools to build GUI Security, access control, …

Software to build GUI

* React
* JavaScript
* Html
* Css
* Bootstrap (maybe)
* Git
* Security:
* Access Control

**Works Cited**

Smith, Felecia. 10 Benefits Of Reading. Technobezz. August 14, 2018. <https://www.technobezz.com/10-benefits-of-reading/>