**Csc 4350 Summer ‘17**

Video Game Store

**The Coders**

**Jae-Min Cho, William Clegg, Bogun Kim and Kristian Sandoval**

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**Jae-Min Cho**

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EDUCATION

**Bachelors in Computer Science** Expected May 2018

**Georgia State University** in Atlanta, Georgia

TECHNICAL SKILLS

Typing speed of 60 WPM.

Experienced in using Microsoft Office.

COMPUTER SKILLS

Computer Science courses

* Programming Language Concepts, Design and Analysis of Algorithms, Computer Architecture

Platforms

* Windows, Unix

Languages

* Unix, Java, C

**Bogun Kim**

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Doraville, GA 30360

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| **Education** | **Georgia State University,** Atlanta, GA Jan 2015 - Present  *Bachelor of Science in Computer Science* Expected graduation: Dec 2017  GPA: 4.08  **Georgia Perimeter College,** Dunwoody, GA Jan 2012 - Dec 2014  *Associate of Engineering*  GPA: 3.90 |
| **Computer Skills and Courses** | Platforms: Windows, Linux, Unix  Languages: Java, JavaScript, HTML, CSS, MySQL  Application: Microsoft Word, Excel, PowerPoint  **Major Course included:**  Database System, Computer Networks, Computer Architecture, Design and Analysis of Algorithms, Software Engineering, Web programming |
| **Experience** | **United States Army Reserve,** Atlanta, GA Jul 2015 - present  Wheeled Vehicle Mechanic   * Preventive Maintenance Checks and Services on light wheeled combat and transportation vehicles. * Repair and replace the defective parts of the light wheeled vehicles and its attached instrument.   **Republic of Korea Air Force,** Kunsan, South KoreaSep 2009 - Sep2011  F-16 Fighter Aircraft Engine Mechanic   * Maintenance of the engine of F-16 fighter such as phase inspection and hourly inspection to keep jets ready for flight * Managed precision instruments and tools using Excel and Intranet database |
| **Awards** | * President's List for Spring 2017 at Georgia State University * Honor Graduate of Ordnance school in the United State Army in June 2016 * EPA Section 609 Refrigerant Recovery Certification in May 2016 * President's List for Fall 2015 at Georgia State University * Student of the Semester in Chemistry class in Spring 2014 |
| **Foreign Language Skills** | Korean – Fluently speak, read and write |

**Kristian Sandoval**

1131 Drewsbury Ct Smyrna, Georgia, 30080 (678) 665-2757 omgsphynx.kristian@gmail.com

***Education***

Chattahoochee High School August 2010-May 2014

GPA: 3.59

Georgia State University Expected Graduation: 2018

***Academics***

AP Classes

- Calculus (1 yr), Environmental Science (1 yr), Spanish (1 yr)

Honors Classes

- English (1 yr), Math (3 yrs), Spanish (5 yrs)

College English (1 year)

Fulton County Gifted Program (9 years)

***Skills***

Drafting/Architecture (1 year)

- Proficient in Autodesk/Revit software – modeling in 3-D

Graphic Design (1 year)

- Proficient in Adobe Photoshop/Illustrator – photo editing

Web Blogging (1 year)   
 - Creating and managing a blog – graphics/articles

CHS Speculator - Newspaper (2 years)

- Writing – editorials, reviews, news, features

- Reporting – ideas of interest to students/locals

- Communicating with businesses – selling advertisements

***Achievements***

Sports

- Varsity soccer letterman (4 years)

- Athletic Academic Award (4 years)

- 4AAAA High School State Championship

- U17 Georgia Soccer President’s Cup Champions

***Volunteer Work***

High school fundraisers

- Raising money by selling fireworks and pine straw, organizing 5K runs

Spring Cleaning

- Cleaning school stadium

Rivers Alive

- Cleaning local river

North Fulton Community Charities Holiday Drive

– Assisting organization in providing to less fortunate

Raising funds and sponsoring a Hispanic family

– Providing clothing/gifts to less fortunate

Raising funds and contributing to the Latin American Association’s food bank

***Employment***

Domino’s (Customer Service Representative)

- August 2014 to July 2015

Domino’s (Assistant Manager)

- July 2015 to present

**The topic chosen by The Coders is the shopping website.**

**Updated WSD**



**Rationale and Requirements/Specifications**

The Coders chose to build a video game shopping application. To all members, it is an area of interest. Additionally, this poses as a challenging project. Specifications for the project include a login window, an account creation and edit interface, a video game shopping section, a cart showing selected items, a checkout interface, an order history list and a messaging system. Computer requirements only include a constant connection to the internet.

**Dictionary**

Username: an online name that serves as a type of identification

Password: a string of letters, numbers and characters that is used to grant access to a specific account

Order history: A list within a shopping website which displays past purchased items

Notification: An alert that notifies the user of specific information

Interface: A form of abstraction that displays information to the user with the objective of simplifying the user/system interaction

System: A combination of computer code that completes a specific task or set of tasks

**Problem Statement**

**Log-in**

- The system shall allow customer to create user-name and password with some basic information.

- The system shall allow customer to log-in to see the main page.

- If customer log-in the system, the system shall allow to show the main page.

- The system shall notify customer if username or password is not matched on the database system.

- Username and password shall be secured/encrypted in the database.

- Username and password shall be shown by asterisks as default.

- Username and password shall be shown as customer typed if they click the “show” button.

**Account**

- User Id shall be a unique.

- The system shall allow customer that they can revise(update) their account profile.

- The system shall store customer email as their profile.

**Shopping**

- The system shall show customer the list of the items.

- The system shall allow customer to select a single item or multi items and put it in the cart.

- The system shall display detailed information if customer click some specific items.

- The system shall provide the searching/browsing function to search the items.

- The system shall display matched items based on the search.

- The system shall display the item by categories.

- The system shall allow the sorting by price, review and name of the list of the items.

- The system shall notify the customer if there is not any matching item on the search.

**Cart**

- The system shall allow customer to update/remove item in the cart.

- Each of item cost shall be showed on the cart

- The sum of the cost shall be showed on the cart.

- The system shall have the checkout button.

**Checkout**

- The system shall allow the customer to go back to the cart.

- The system shall have an option to choose the payment.

- The system shall take credit card information.

\_ The system shall redirect to PayPal.

- The system shall send an order confirmation to the customer after they place the order.

- The system shall navigate customer to download the games a payment is made.

**Order history**

- The system shall show all items that the customer bought before.

- The system shall allow to re-download the game.

- The system shall allow to enter the rating of product (review).

**Message**

- The system shall allow to browse other uses.

- The system shall allow to search by username.

- The system shall allow to add a friend on the friend list.

- The system shall allow to delete a friend on the friend list.

- The system shall send a message to others.

- The system shall receive a message from others.