Product name: List Ninja

Problem Statement:

Turn in:

Each team turns in one Functional Specification.

Microsoft Word document or PDF

Email as an attachment to ron.mak@sjsu.edu

Subject: **CS 160-***3* **Assignment #1** *List Ninja*

where: *n* is your section number, 3 or 4

and *Team name* is your team name.

homework requirements:

due on Sept 15

Each project team creates the first draft of the

Functional Specification for its web application.

Product name: List Ninja

Problem statement: Roommates or households need a way to track expenses that each person in the household paid for and what other roommates might owe. List Ninja will provide away for households to track expenses among multiple responsible housemates.

Objectives: List Ninja will provide away for households to track expenses among multiple responsible housemates. Expenses will include utilitiy bills, shopping bills, and any other type of expense required to be paid by multiple housemates.

6 Functional requirements

4 Nonfunctional requirements

Use case diagram with 6 use cases

Use case descriptions of 3 of your use cases

Functional:

* Users must be able to signup
* Users must be able to login
* Users must be able to create a new list
* Users must be able to share the list with other users
* Users must be able to add friends (other users) in the app
* Users must be able to import facebook friends
* Users must be allowed to add a price and quantity for an item
* Users must be able to view a cost distribution between list members
* Users must be able to create an infinite number of lists
* User must be able to prioritize or close lists

Non-Functional:

* App will be built on the java web framework
* App will use phone gap to build mobile app version
* App will use bootstrap to look nice
* App will use facebook API to grab user information + photo

Use Cases:

- user signup

- user login

- user creates a list

- user adds an item to a list

- user deletes an item from a list

- user updates an item in a list

- user adds friends to a list

- user connects profile to facebook