MINISTRY OF EDUCATION AND TRAINING

FPT UNIVERSITY

Capstone Project Document

Reasonable Spending Suggestion

Group 1	
Group member	Nguyen Phan Anh – Team Leader – SE60780
	Tran Do Phong – Team Member - SE60732
	Nguyen Van Hon – Team Member - 60390 (Dropped out)
	Phan Vo Lan Phuong – Team Member – 60479 (Dropped out)
Supervisor	Mr. Kieu Trong Khanh
Ext. Supervisor	N/A
Capstone Project code	RSSuggestion

-Ho Chi Minh City, 05/2014-

3. Software System Attribute

3.1 Usability

3.1.1 Graphic User Interface
- All the texts, labels and should be written in Vietnamese.

3.1.2 Usability
- Admin should need less than one week of training to be productive with the system.
- Member can use the system easily without training.

3.1.3 Installation
- The website is easy to deploy on server if following each step in installation guide.
- The mobile app is easy to install by running file .APK.

3.2 Reliability
- The suggestion should be reasonable to saving money and keep balance user's finance.

3.3 Availability
- In case mobile cannot connect to Internet, user still can input income and expense.

3.4 Security
- Privacy: Each role of user has a specific permission to interact with system.
- System always checks authorization and authentication before doing anything.

3.5 Maintainability
- The system is divided into separated modules.
- The code is easy to maintain and upgrade.

3.6 Portability
- N/A

3.7 Performance
- The speed of suggestion algorithm is less than 2 seconds.
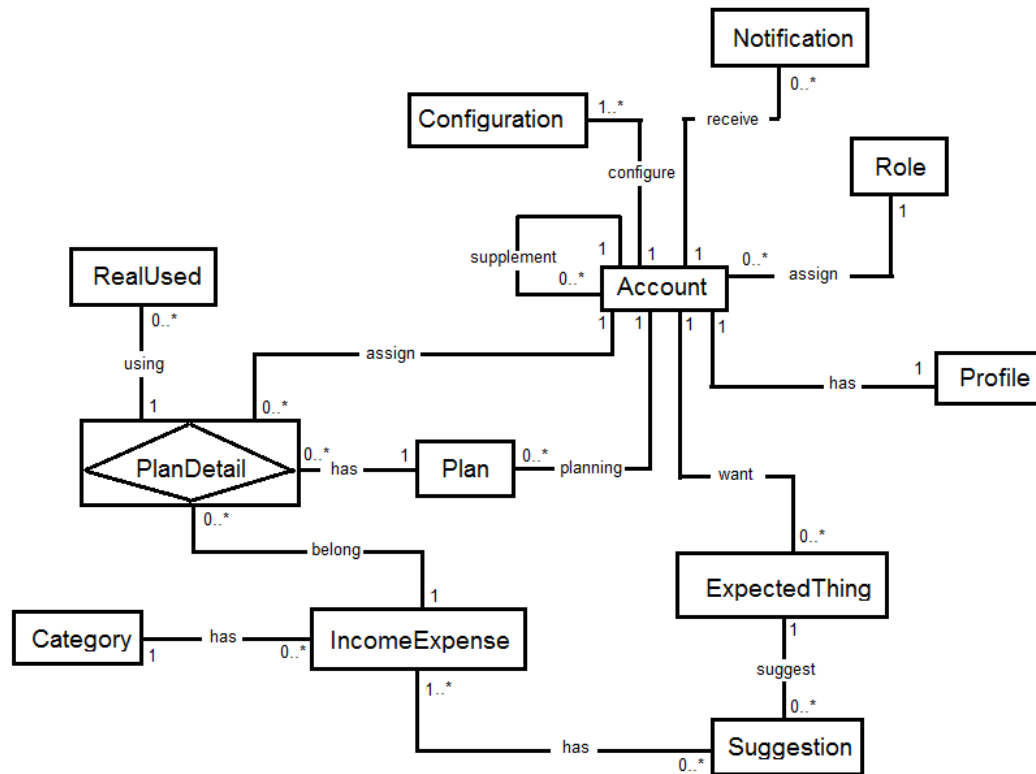
4. Conceptual Diagram

Figure 1 Conceptual diagram

Data Dictionary

Entity name	Description
Account	Describe all users in the system. Each user has only one account
Profile	Describe profile of all users in the system. Each user has only one profile
Role	Describe all roles in the system
Notification	Describe all notifications of users
Configuration	Describe all configurations of users
Plan	Describe all income and expense plan of users
PlanDetail	Describe details of each plan
RealUsed	Describe all income, expense in real life
Expected Thing	Describe all products that users want to buy
Suggestion	Describe all suggestions of users
Income/Expense	Describe all income and expense name in the system
Category	Describe all category of income and expense in the system