

The ExpenseTracker Application

Design Document

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3/7/2013

1. Description

ExpenseTracker is an android application designed to track and visualize user's spending over a specified amount of time. ExpenseTracker shows the spending in seven major categories: Grocery, Housing, Clothes, Transportation, Entertainment, Health Care and others. With the adjustable date option, the users can specify any range of date to analyze their expense situation. With multiple chart options, such as pie chart, bar chart, area chart and so on, the users can pick up their preferred form to help them visualize their expense in categories. Moreover, ExpenseTracker can turn the phone into a mobile wallet: the user can pay for their merchandise by cell phone, which relieves the burden of carrying all the credit cards and debit cards.

Base on the features described above, the target users for the ExpenseTracker application should be:

- android phone user eager to understand their expense situation fast and conveniently
- user willing to use their cell phone as an alternative way of payment

2. Scenarios

Scenario #1—Analysis

Amy struggled to make ends meet every month. Her pay rate is not low so she is constantly wondering where she spent her money. She registered an account in ExpenseTracker. The ExpenseTracker connects to her bank account and lists her monthly spending in 7 major categories. She immediately realized that she spend too much on Clothes. Her financial situation greatly improved after she cut her spending in that category.

Scenario #2—Visualization

John is not good with numbers. His bank gives him detailed statements on his expense, but he finds it difficult to figure out the main categories of his spending. After logging onto ExpenseTracker, he chose the 'Pie chart' option to visualize his monthly expense. The ExpenseTracker represented his monthly expense in pie chart and he can understand his spending much easier and faster.

Scenario #3—Adjustable date range

Tom is a student. With the spring semester approaching to the end, he wants to know his spending in categories over the whole semester. After logging onto ExpenseTracker, he inputs his semester's start date and end date, the ExpenseTracker shows his spending in categories over the whole semester. With this data, he feels that he can easily make financial plans for the next semester.

Scenario #4—Mobile wallet

Jane is tired of carrying credit cards, but she has her phone all the time. With the

ExpenseTraker's 'Mobile Wallet' function activated, she connects her bank account to her phone. Now she can pay in stores just by tapping the back of her phone at the sales place.

3. Storyboard

4. Mockups

ExpenseTracker
Tracking and visualizing your spending via phone

Don't have an ExpenseTracker Account yet?

Sign Up for ExpenseTracker
Tracking and visualizing your spending via phone

By tapping the button below, I agree to ExpenseTracker's term of use.

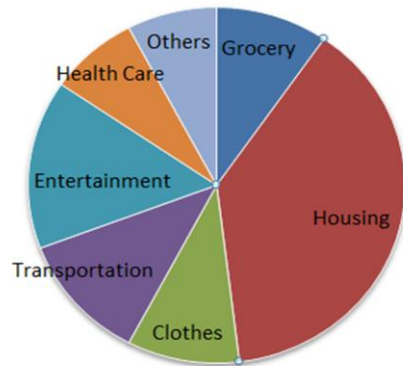
ExpenseTracker

View Spending

Change Setting

Mobile wallet

1/1/2013~1/31/2013



Grocery	250
Housing	1000
Clothes	250
Transportation	300
Entertainment	400
Health Care	200
Others	200

ExpenseTracker

View Spending

Change Setting

Mobile wallet

Start Date:

1	▼	1	▼	2013	▼
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End Date:

1	▼	31	▼	2013	▼
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Chart Type:

Pie Chart	▼
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Apply

ExpenseTracker

View Spending	Change Setting	Mobile wallet
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- Activate my Mobile Wallet