X4 First Year Team Project

"The Money Thing" Application

Team X4

The University of Manchester

December 9, 2009

The **MoneyThing**

Introduction to the application

Introducing Jamie Griffin. Jamie will explain the idea behind concept

The Concept

- Money Management Tool
- Designed with Students in mind
- Simplicity
- Accessible

Why This Application

- Relevant
- Has a practical use
- Scope
- Future Development Possibilities

Research

- Student Feedback
- Questionnaire (Shell Script)
- Similar Applications available

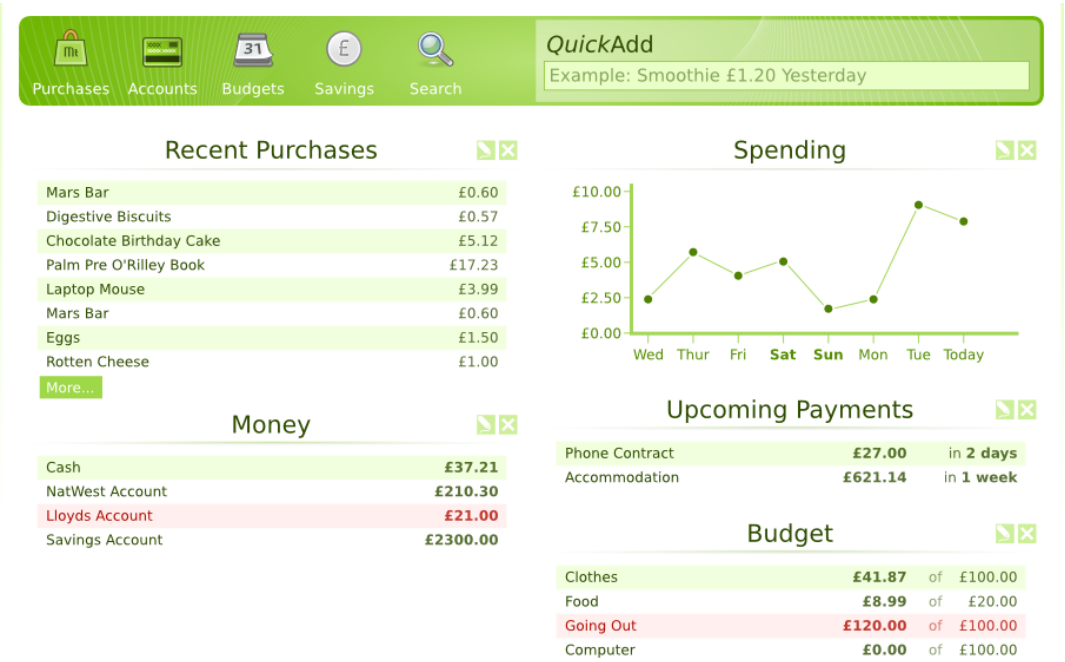
Karl Sutt

Introducing Karl Sutt. Karl will present and explain the application features.

Summary of the Features

- Landing Page
- Budgeting, Accounts, Categorisation
- Reminders
- Email Updates
- Quick Add Tool Bar
- Dynamic Graphs

The landing Page



The Landing Page with customisable segments of data

Budgeting, Accounts, Categorisation

Options to enable the user to manage their budget

Reminders

Reminders are sent so important dates aren't forgotten

Email Updates

Regular Email updates

Quick Add/Update Feature

A very convenient update feature

Dynamic Graphs and Charts

Clear diagrams that provide a great visual guide

Accessibility & Design

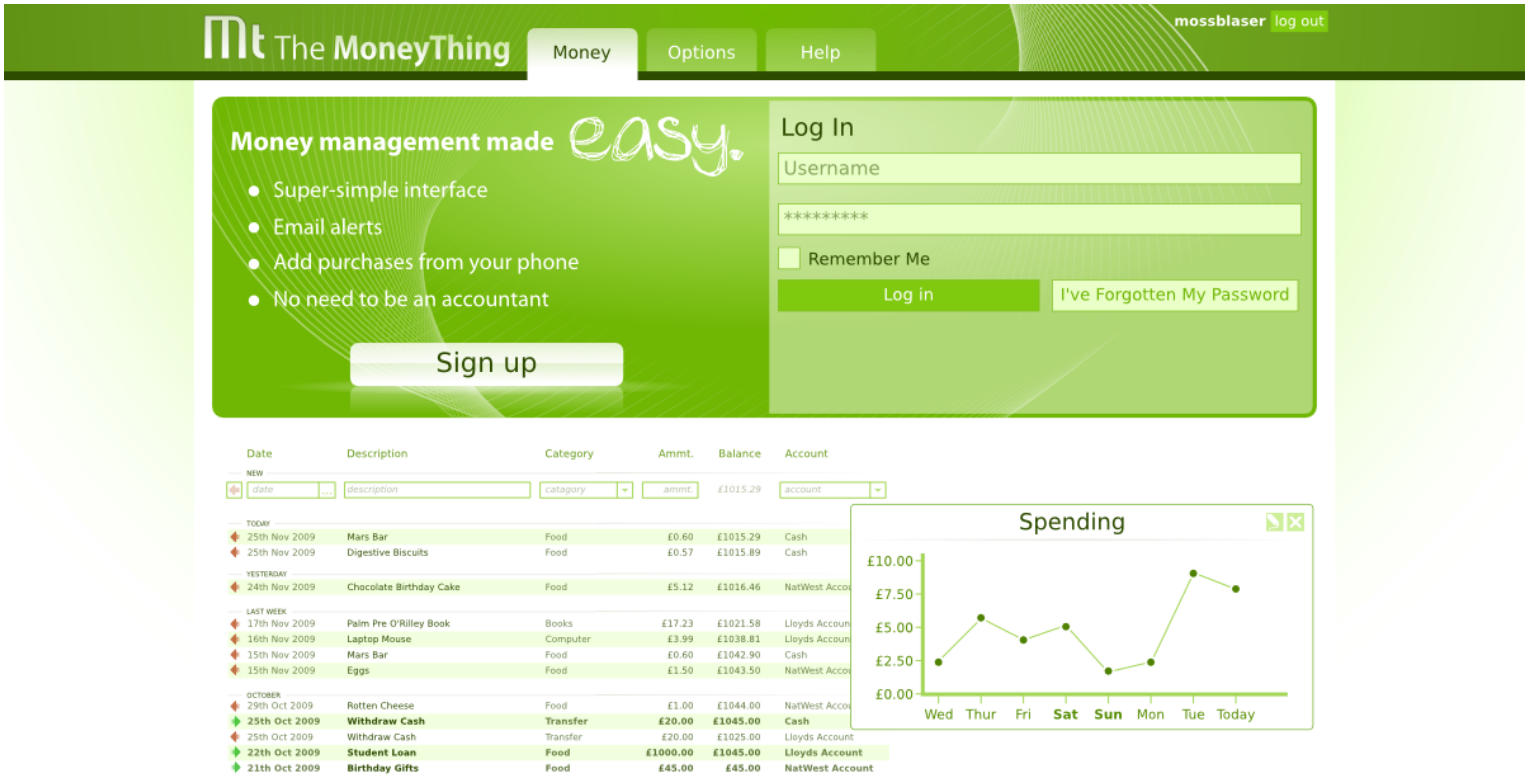
Introducing Jonny Heathcote. Jonny will now demonstrate The Appearance & Design aspect.

Overview

Summary

- Clean Design
- A look at some screenshots
- Accessibility

The Welcome Screen



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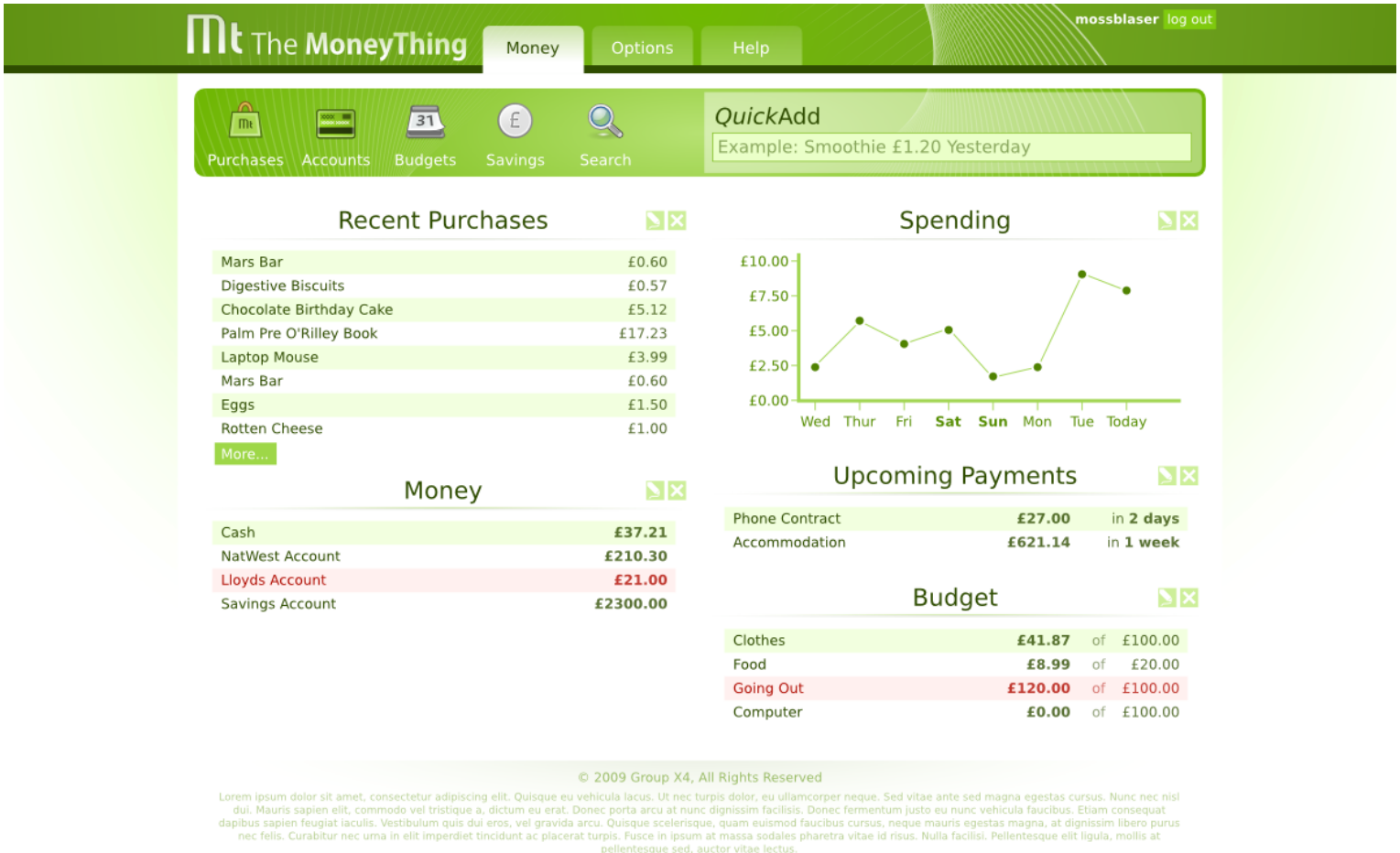
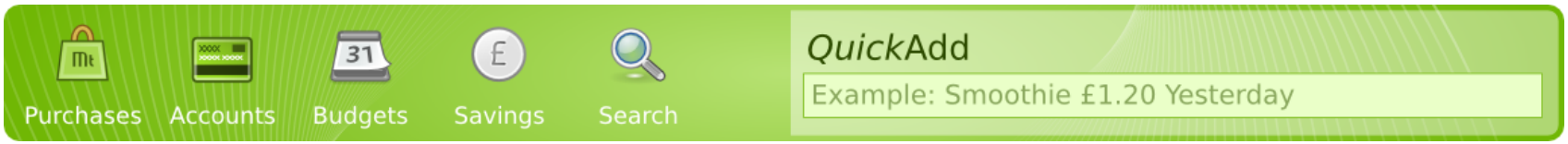
Start
Introduction
Application Features
Accessibility & Design
Legal And Ethical Matters
Comparisons & Future Expansion
The End
Questions and Answers

Overview
The Welcome Screen
The Summary Screen
The Tool Bar
The Tool Bar
Icons
Viewing Transactions

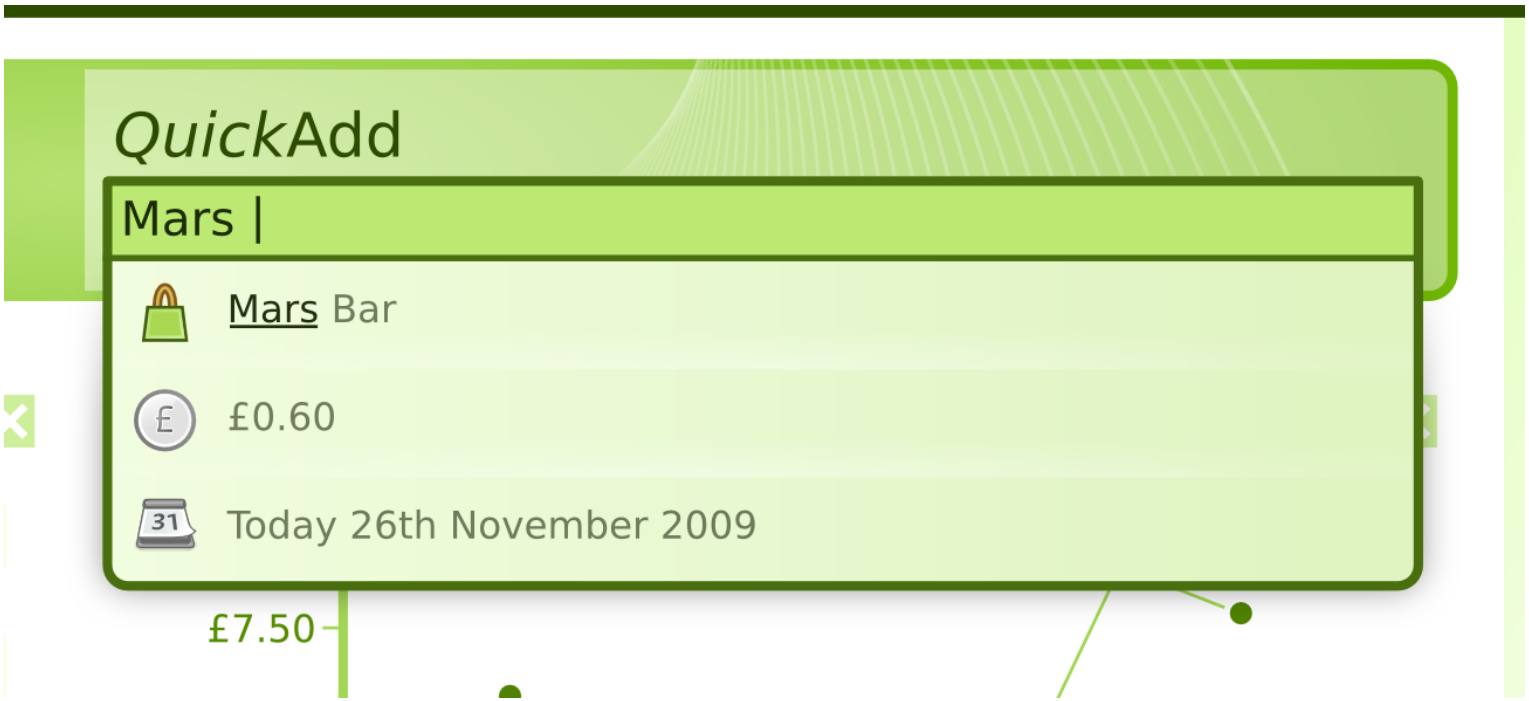
The Summary Screen



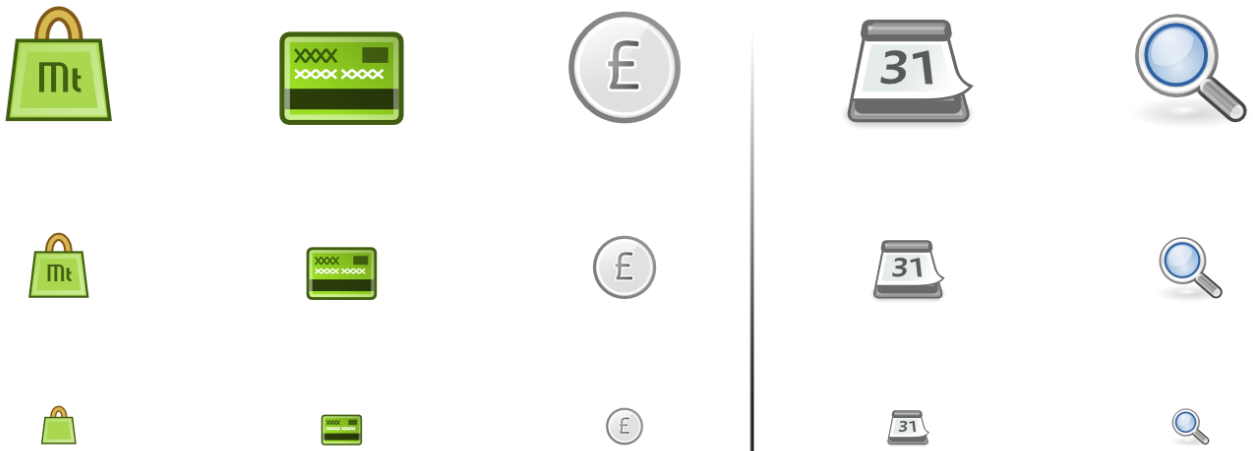
The Tool Bar

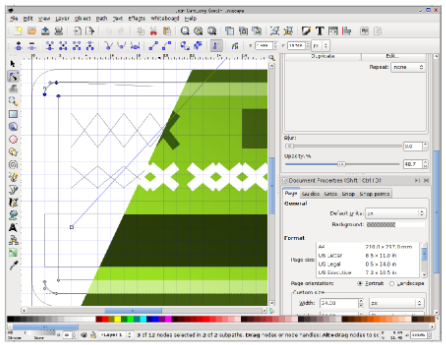

Purchases
Accounts
31
Budgets
£
Savings
Search
QuickAdd
Example: Smoothie £1.20 Yesterday

The Tool Bar



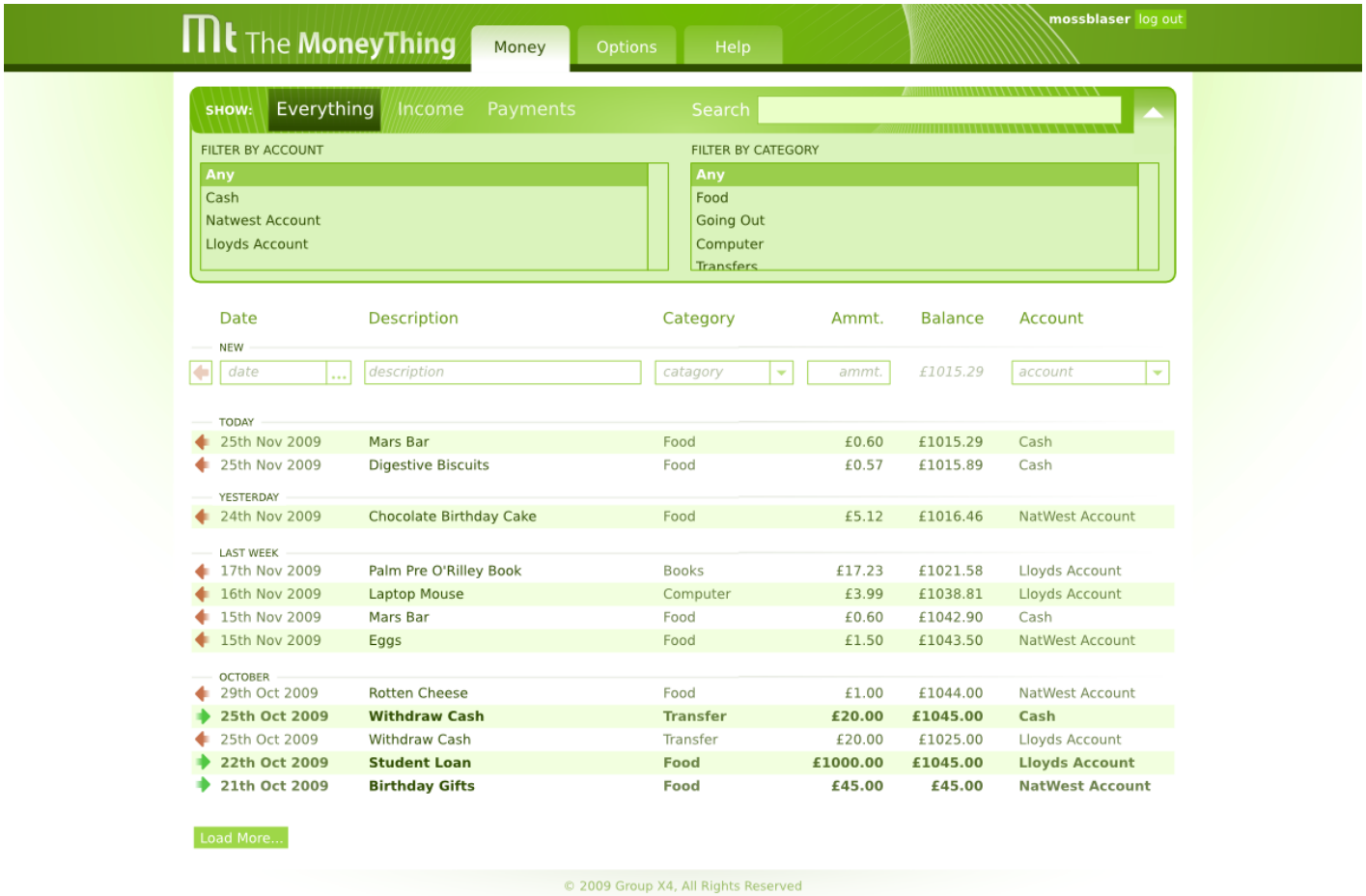
Icons





tango!

Viewing Transactions



Eleni Georghiades

Introducing Eleni Georghiades. Eleni will now Talk us through the Legal & Ethical issues.

Summary

- Secure Network Connections
- Secure Data Storage
- Privacy Policy

Sensitive Data

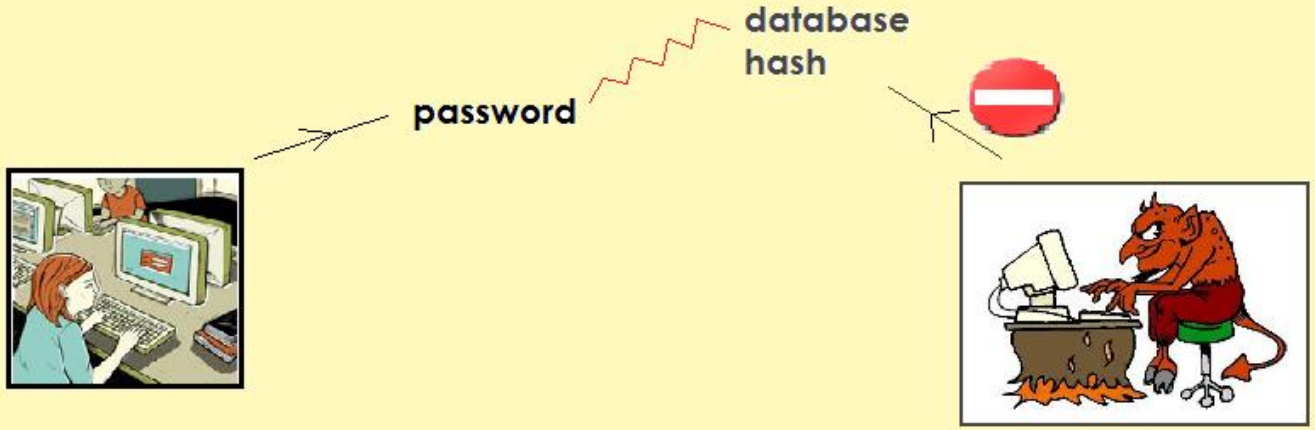
Sensitive user data being on the server, such as financial data and personal information.

Secure Data Storage

Securing Data was a critical part of the design. Various strategies implemented to ensure data is stored in a secure environment.

Password Hashing

Passwords are stored using an MD5 hash for added security



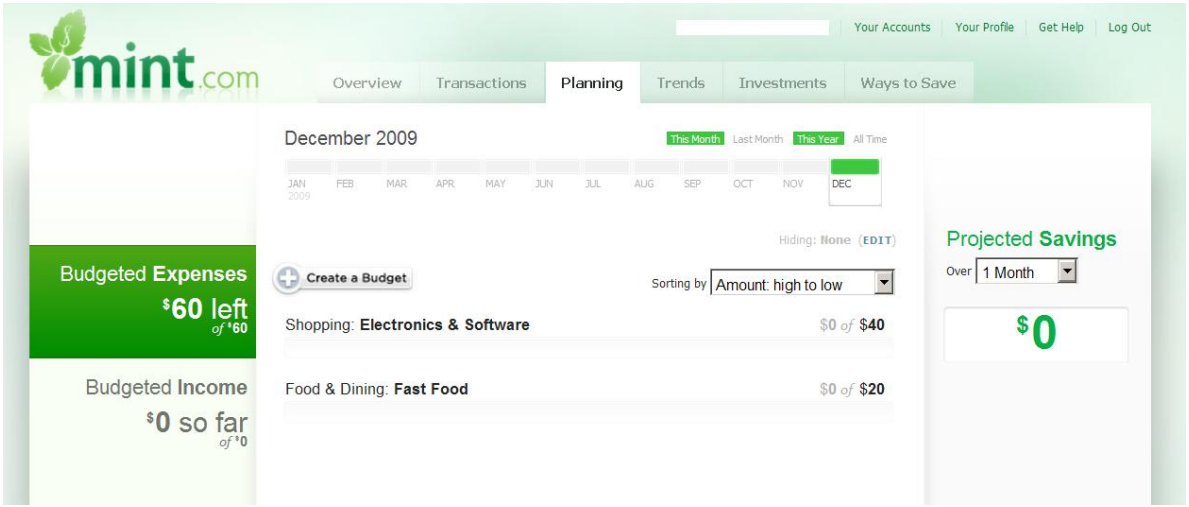
Data Protection Act

- Data stored will be used for the purpose specified
- Data will be used within the constraints of the Data Protection Act
- Data won't be tampered with in any way

Matt Dixon

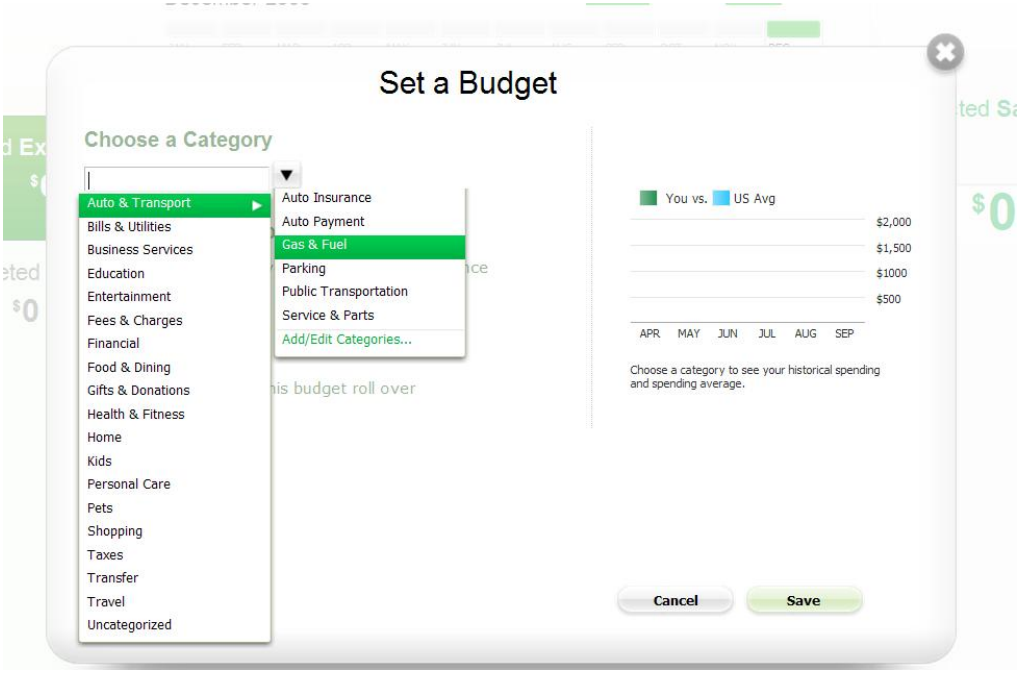
Introducing Matthew Dixon. To finish, Matthew will speak about possible future expansion and compare The MoneyThing with other systems.

Mint.com



- Must enter banking details. Security? No Choice!
- Currency must be in $USD

Comparisons



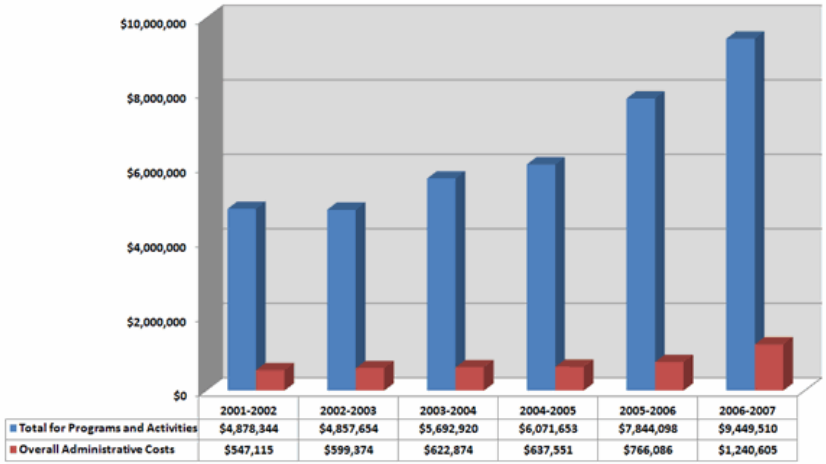
- Easy to use
- Simple layout

Currency Conversion

Currency conversion may be difficult to implement:

- Exchange rate is constantly changing
- Need to save new currency weighting to the database regularly

More Advanced Graphing



	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007
Total for Programs and Activities	$4,878,344	$4,857,654	$5,692,920	$6,071,653	$7,844,098	$9,449,510
Overall Administrative Costs	$547,115	$599,374	$622,874	$637,551	$766,086	$1,240,605

Drawing graphs to the screen:

- Javascript?
- Server-Side (e.g. PHP)?
- Flash?

Summary of Presentation

- About the Project
- Features
- Design and Appearance
- Security
- Legal and Ethics
- Future Development

Questions & Feedback

End of presentation. We will be happy to answer any questions.
Thank you for your time.