

X4 First Year Team Project

"The Money Thing" Application

Team X4

The University of Manchester

December 9, 2009

mt

The **MoneyThing**



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

The Concept
Why this Application
The research

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



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

The Concept
Why this Application
The research

Why This Application

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



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

The Concept
Why this Application
The research

Research

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



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

Summary of the Features
The Landing Page
Budgeting, Accounts, Categorisation
Reminders
Email updates
Quick Add/Update Feature
Dynamic Graphs

Karl Sutt

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



Summary of the Features

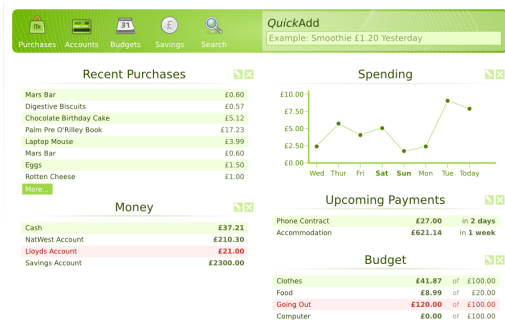
- Landing Page
- Budgeting, Accounts, Categorisation
- Reminders
- Email Updates
- Quick Add Tool Bar
- Dynamic Graphs



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

Summary of the Features
 The Landing Page
 Budgeting, Accounts, Categorisation
 Reminders
 Email updates
 Quick Add/Update Feature
 Dynamic Graphs

The landing Page



The Landing Page with customisable segments of data



Budgeting, Accounts, Categorisation

Upcoming Payments



Phone Contract	£27.00	in 2 days
Accommodation	£621.14	in 1 week

Budget



Clothes	£41.87	of £100.00
Food	£8.99	of £20.00
Going Out	£120.00	of £100.00
Computer	£0.00	of £100.00

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

[Money](#)
[Options](#)
[Help](#)
mossblaser [log out](#)

Money management made *easy*.

- Super-simple interface
- Email alerts
- Add purchases from your phone
- No need to be an accountant

Sign up

Log In

☐ Remember Me

[Log in](#)
[I've Forgotten My Password](#)

Date	Description	Category	Amount	Balance	Account
Nov				£1015.29	Account
23rd Nov 2009	Marl Bar	Food	£9.00	£1015.29	Cash
25th Nov 2009	Digestive Biscuits	Food	£0.57	£1015.89	Cash
Withdrawal					
24th Nov 2009	Chocolate Birthday Cake	Food	£5.12	£1015.46	NorthWest Account
Half term					
17th Nov 2009	Palm Pre O'Riley Book	Books	£17.23	£1021.58	Ulysses Account
18th Nov 2009	Laptop Mouse	Computer	£3.99	£1030.81	Ulysses Account
19th Nov 2009	Marl Bar	Food	£9.00	£1040.30	Cash
19th Nov 2009	Eggs	Food	£1.58	£1041.93	NorthWest Account
October					
19th Oct 2009	Butter Cheese	Food	£1.00	£1044.93	NorthWest Account
25th Oct 2009	Withdraw Cash	Transfer	£20.00	£1064.93	Cash
25th Oct 2009	Withdraw Cash	Transfer	£20.00	£1029.93	Ulysses Account
22nd Oct 2009	Student Loans	Food	£1049.99	£1049.99	Ulysses Account
21th Oct 2009	Birthday Gifts	Food	£45.00	£45.00	NorthWest Account

Spending

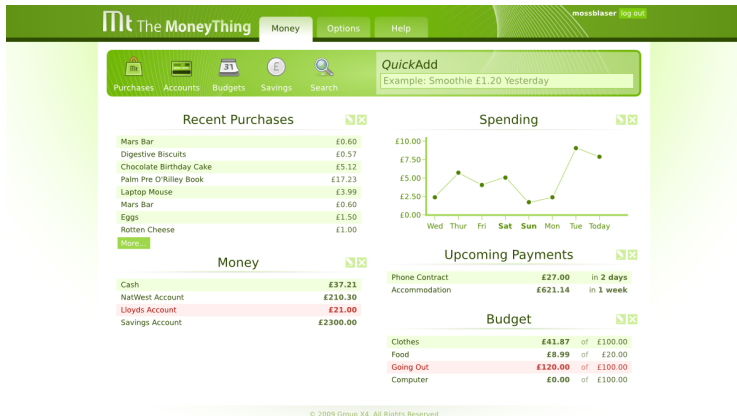
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et nulla sed est ultricies tristique. Etiam in tortor augue, eget ullamcorper turpis. Proin posuere suscipit interdum. Curabitur ac velit quis eros sollicitudin venenatis.

Quisque mattis laoreet augue sed dapibus. Cras felis massa, dictum ut an fermentum ac, accumsan at lorem. Quisque eu sed

Ultricies vehicula. Fusce sem diam, imperdiet eget auctor vel, dignissim nec lorem. Phasellus fringilla egestas velit nec ultricies. Integer eget orci quam. Aliquam pellentesque, risus id egestas tincidunt, heque dolor ornare tortor, placerat laoreet odio massa id velit. Nunc at felis urna, ac luctus mi. Vivamus sagittis rutrum lectus vel lobortis.



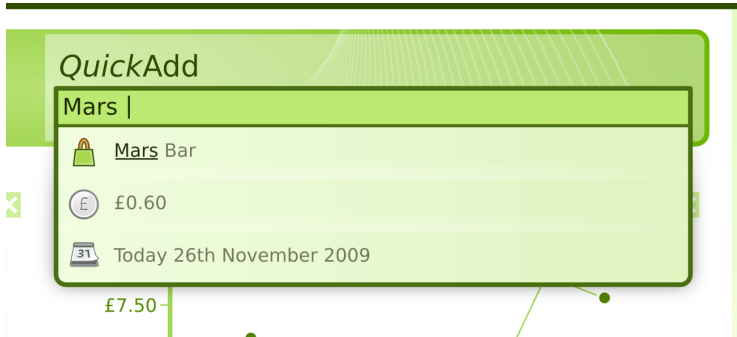
The Summary Screen



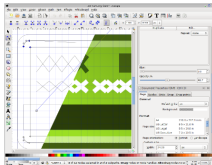
The Tool Bar



The Tool Bar



Icons



tango!



Viewing Transactions

mt The MoneyThing Money Options Help mossblaser log out

SHOW: Everything Income Payments Search

FILTER BY ACCOUNT

- Any
- Cash
- NatWest Account
- Lloyds Account

FILTER BY CATEGORY

- Any
- Food
- Going Out
- Computer
- Transfers

Date	Description	Category	Ammt.	Balance	Account
NEW					
date	description	category	amm.	£1015.29	account
TODAY					
25th Nov 2009	Mars Bar	Food	£0.60	£1015.29	Cash
25th Nov 2009	Digestive Biscuits	Food	£0.57	£1015.89	Cash
YESTERDAY					
24th Nov 2009	Chocolate Birthday Cake	Food	£5.12	£1016.46	NatWest Account
LAST WEEK					
17th Nov 2009	Palm Pre O'Riley Book	Books	£17.23	£1021.58	Lloyds Account
16th Nov 2009	Laptop Mouse	Computer	£3.99	£1038.81	Lloyds Account
15th Nov 2009	Mars Bar	Food	£0.60	£1042.90	Cash
15th Nov 2009	Eggs	Food	£1.50	£1043.50	NatWest Account
OCTOBER					
29th Oct 2009	Rotten Cheese	Food	£1.00	£1044.00	NatWest Account
25th Oct 2009	Withdraw Cash	Transfer	£20.00	£1045.00	Cash
25th Oct 2009	Withdraw Cash	Transfer	£20.00	£1025.00	Lloyds Account
22th Oct 2009	Student Loan	Food	£1000.00	£1045.00	Lloyds Account
21th Oct 2009	Birthday Gifts	Food	£45.00	£45.00	NatWest Account

Load More



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

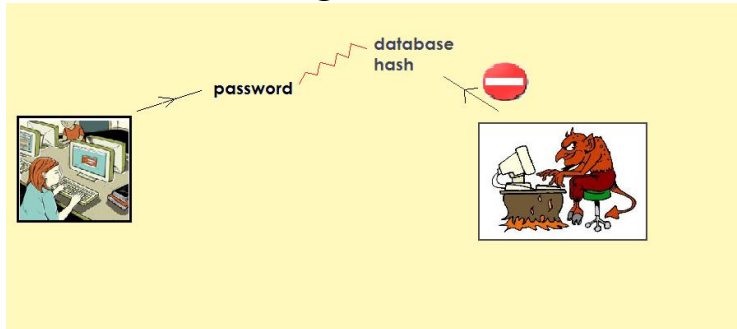


Securing Data was a critical part of the design. Various strategies implemented to ensure data is stored in a secure environment.



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

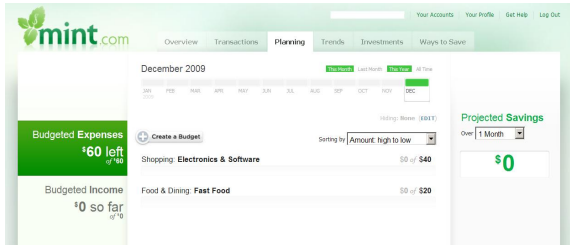


Matt Dixon

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



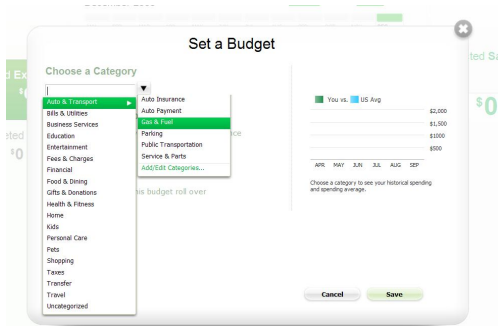
Mint.com



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



Comparisons



- Easy to use
- Simple layout



Currency Conversion

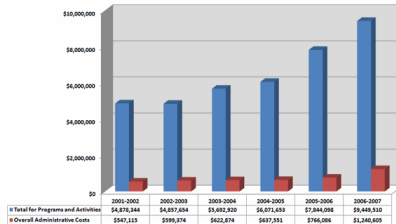
The screenshot shows a web-based 'Universal Currency Converter'. It features a 'Convert:' section with an input field containing '1' and a label 'Enter an amount'. To the right, there are two dropdown menus for selecting currencies. The first dropdown, labeled 'From this currency:', has 'Euro - EUR' selected. The second dropdown, labeled 'To this currency:', has 'United States Dollars - USD' selected. A 'Go!' button is positioned to the right of the second dropdown. Below the dropdowns, there are links for 'More currencies', 'License our Data', 'Free rates by e-mail', and 'Put this tool on your site for free'. The top right corner of the interface indicates it is 'Using live mid-market rates'.

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



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.

