AccountAble:
Asset Management Software for the Modern Age

Developed By:
Data Over Sata

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- INTRODUCTION

    Accountable is a software solution for the tracking and accounting of the Computer Science Department's cashflow at the University of Montana. Currently, there is a paper system in place that is cumbersome and hard to manage, and this software aims to alleviate the burden of managing these accounts.

Purpose and Scope

    Accountable is intended to ease the process of tracking money moving in and out of the accounts for the Computer Science Department. To do so, AccountAble provides a system where workflow is optimized and user-friendly.

Development Team and Roles

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Cordell Appel

System Overview

Basic System Design

MVC Architecture

Functional Requirements

Administrative login (csadmin, csci323)

Logout

Logo for software

Developed by at the bottom

Accounts

 Balance, Name, Description, Phone, Email

    Create Acct

    Must fill all fields

    Shouldn't be able to create 2 accounts with same name

Modify Acct

Delete Acct

    Warning: You are about to delete acct

    Should not delete linked transactions

View Acct

Transactions

Credit Card

    Date, description, code, amount

    4% fee

    8% university fee

    Must fill all fields

    Check

    Date, description, code, amount

    8% university fee

    Must fill all fields

Expense

    Date, description, code, amount

Must fill all fields
Delete Transaction
Warning: You are about to delete transactions
Views
All Transactions
Transactions for specific accounts
Every screen should have software name at top
Every screen should have developed by at the bottom
Non-Functional Requirements
Entire Account Balance
View
Overall balance
Balance for each acct
8% held
4% held
Benefits calculator
Users Guide
Dropdown list for codes
Information is loaded on startup and saved during execution or shutdown
Won't accept invalid data in fields

dATABASe design
Database Architecture

System Requirements
Hardware Requirements
- AccountAble requires Java 8, which will only run on a computer with the following hardware specifications:
  - RAM: 128 MB
  - Disk space: 124 MB for JRE; 2 MB for Java Update
  - Processor: Minimum Pentium 2 266 MHz processor
Software requirements
- AccountAble requires Java 8, which will only run on a computer with the following software specifications:
  - Running an operating system in the following groups:
Windows
- Windows 10 (8u51 and above)
- Windows 8.x (Desktop)
- Windows 7 SP1
- Windows Vista SP2
- Windows Server 2008 R2 SP1 (64-bit)
- Windows Server 2012 and 2012 R2 (64-bit)
Mac OS X
- Intel-based Mac running Mac OS X 10.8.3+, 10.9+

Linux
- Oracle Linux 5.5+
- Oracle Linux 6.x (32-bit), 6.x (64-bit)
- Oracle Linux 7.x (64-bit) (8u20 and above)
- Red Hat Enterprise Linux 5.5+, 6.x (32-bit), 6.x (64-bit)
- Red Hat Enterprise Linux 7.x (64-bit) (8u20 and above)
- Suse Linux Enterprise Server 10 SP2+, 11.x
- Suse Linux Enterprise Server 12.x (64-bit) (8u31 and above)
- Ubuntu Linux 12.04 LTS, 13.x
- Ubuntu Linux 14.x (8u25 and above)
- Ubuntu Linux 15.04 (8u45 and above)
- Ubuntu Linux 15.10 (8u65 and above)
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References
Git Repository
- The Git Repository for this project is located at https://github.com/davidrich27/DataOverSata
- It includes an executable JAR file to be run on all systems.
Product Backlog
- The Product Backlog of this project was managed with the online software Trello. It is located at https://trello.com/b/5QVMRjQt/product-backlog
External References
- JavaFX Documentation
  - https://docs.oracle.com/javase/8/javase-clienttechnologies.htm
- Gantt Project – Tool for managing Gannt Charts
  - http://www.ganttproject.biz/
- Scene Builder- Tool for creating FXML files
  - http://gluonhq.com/products/scene-builder/