

Budgetory Final Report

Team 15

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1 Description

Budgetory is a full-featured, web-based budgeting and inventory application designed for organizations dealing with those items. Budgetory allows for sharing and collaboration between multiple users, all of whom can control multiple budgetories. In addition, the owner of a budgetory can control permissions for each linked user.

2 Who Budgetory serves

2.1 Social organizations

Being at RPI, our main target for Budgetory is fraternities and sororities. Greek life organizations deal with oftentimes large budgets over the course of a semester. Additionally, most chapters—organizationally-modeled after and run as a house—keep many different supplies on hand—from food to bathroom tissue, mop heads to sponges.

We also cater to other social organizations, like Veterans of Foreign Wars posts.

2.2 Service organizations

Another cohort of groups Budgetory suits is service organizations. While they may not deal with the extensive, changing inventory of fraternity-like associations, their budgets can be very active.

Groups like Lions Clubs International, Kiwanis International, and Rotary International fundraise throughout the fiscal year, hold large service events and give scholarships, and have to track their finances constantly. Our application provides easy access to all their important information.

3 Budgetory in the context of existing applications

Budgetory falls in the middle of the oft-used database application realm. It combines the best of both worlds—financial software and inventory tracking—and adds features not included in either.

Many different solutions exist for finances and inventorying individually, but not both together. Software packages like *Quickbooks* and *Quicken* can be very useful and helpful keeping track of money. *Microsoft Excel* works well for bookkeeping, also, but can take time to set up. Lastly, *Microsoft Access* can handle both budgets and inventories, but has a very steep learning curve and takes an enormous amount of time to prototype, build, and implement.

No existing products that we know of give users an easy way to share their statistics, the only exception being Mint. Mint, by Intuit, is web-based, so, theoretically, one could give credentials to

another person. That being said, permissions cannot be managed by the owner, and data cannot be shared; only a user's credentials can be—something which is not secure.

For years, the only method of tracking funds and product stock was using paper and pencil. This is not secure—neither in a financially sensitive nor a loss prevention way. If the notebook tracking data was damaged, lost, or stolen, all data would be lost.

4 Budgetory's value

4.1 How Budgetory distinguishes itself

As stated above, Budgetory fills a void in the tracking software world. There is currently no shareable, permission-modifiable, web-based, non-bespoke application on the market. Budgetory provides these features in a lightweight package, accessible from anywhere one has an internet connection.

4.2 Demand for Budgetory

Through an unscientific survey, we found that the demand for a new method—most organizations are using methods listed in section 3—of financial and inventory tracking is quite high. Most respondents listed their current method satisfaction as "I manage," which was in the middle of a five-level scale. We also polled factors influencing purchase, in which organization and efficiency were listed as the most desirable. Being web-based and lightweight, Budgetory provides those characteristics.

5 Future plans

Future plans for Budgetory include:

- Mobile-styled website
- Native mobile application
- HTTPS security
- Email and SMS alerts for settable budgetory conditions