RISE@Work

Final Presentation

Final Deliverable to Client:

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- All project code
  - .zip file
  - Access to online repository

- Access to Google Drive folder

- Documentation
  - Hard copy
  - Electronic copy

- Will be delivered on April 17

What we have completed

Maps

Maps: The Request

"As a researcher, I can decide which maps are visible to participants in my organization by selecting and deselecting them."

Maps: The Solution

- Research administrators are now able to add and delete maps for only their organizations.

- Research administrators can clone existing maps for their organizations.

- Maps are no longer static pictures, but interactive Google Maps.

Maps

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Demo

Consent Forms

Consent Forms: The Request

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"*As a researcher, I can edit my organization's consent form and contact details.*"

Consent Forms: The Solution

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- Researchers are now able to upload their own custom PDF consent forms.

- When a user registers, the consent form for the desired organization is displayed.

- Checkbox to agree to provide consent only appears after consent form is visible.

Consent Forms

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Demo

Downloadable Spreadsheet Data

Improved Spreadsheets: The Request

"As a researcher, I can download all survey data in a well-formatted excel spreadsheet."

Improved Spreadsheets: The Solution

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- An organization's spreadsheet data can now be downloaded in a more readable format.

- Much more data is included.

Improved Spreadsheets

Demo

Surveys

Improved Surveys: The Problem

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- Surveys could not be edited

- Organizations were forced to use the same survey

- User experience was very poor

- Researchers were forced to take the surveys to access the site

Improved Surveys: The Solution

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- Surveys are now easily manageable

- Surveys are ignored for researchers

- Survey interface completely redesigned

- Researchers control surveys for their organizations

Improved Surveys

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Demo

Administrative Dashboard

Administrative Dashboard: The Problem

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- Admins and researchers used same page as participants, but none of the functionality worked

- Admin functions were hidden, sometimes not appearing at all

- Admins had no super-organizational privileges

Administrative Dashboard: The Solution

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- Admins and researchers now have specialized dashboards

- Functionality is now reliable and easy-to-use

- Better separation of privileges for researchers

- Admins can now manage across organizations

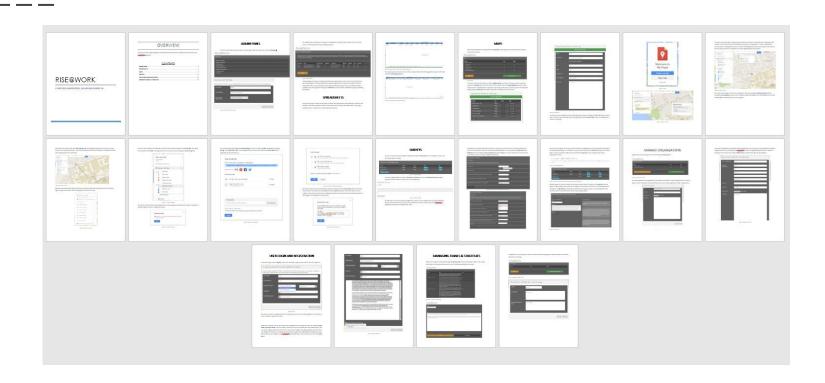# Administrative Dashboard

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Demo

Documentation

Documentation

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- Future developers will benefit from well-documented code

- Final documentation PDF covers an overview of the site, instructions (Map Creation, Surveys..)

- Will exist in Google Drive along with other important documents

Documentation: Preview

Emails

Automatic Emails: The Request

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"As a researcher, I can send and receive emails to and from program participants in my organization."

Automatic Emails: The Solution

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- Email content can be viewed and edited by administrators (Michelle and Dan)

- Sending emails automatically hit an unforeseen snag:
  - Need show ownership of dal.ca domain (not accessible by students)
  - Could also purchase alternate domain (~10/year) e.g. riseatwork.ca

- All set up to work (as seen in last demo), just need correct access to domain name.

Accelerated Testing

Accelerated Testing: The Ask

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"*As a site administrator, I can test that the program works by using temporary, artificial user data to see if emails are properly sent, phases can be completed, the proper information is tracked, and that all user interactions and expected uses are functional.*"

Accelerated Testing: The Solution

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- Manual tests that check that RISE@Work functions correctly (seconds)
  - Tests can be run in a test database *separate* from real user data (will not interfere with real data).
  - For developers

- Pilot testing mode (hours/days)
  - Shorten the length of Phases to days/hours instead of weeks.
  - For the client

Accelerated Testing: The Result

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- Not complete as of this Demo.

- We have a solution, just needs to be implemented.

Recommendations for Future Work

Recommendations for Future Work

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- Front-end overhaul
  - Redesign website
  - Performance issue

- Lots of little tweaks
  - Performance issues
  - User experience issues

- Stars/points

- Deployment

- Another semester of students or single seasoned developer could implement the remaining major changes

Questions?