Outline

- What is TimeBanks?
- Goals
- Design
- Prototyping
- Implementation
- Status and Future Goals
What is TimeBanks?

- Non-profit organization
- Facilitates service exchanges
- Users exchange services for hours, which function as Time Bank’s currency.
- Useful for people in need of particular services
- Soft-launch this year
Goals: Support NRV

- Promote tight-knit community within NRV
- The NRV Time Bank supports the NRV area
  - Community events post launch
- Promote community inclusivity
  - Everyone has skills to offer
Goals: Build a Better System

● Facilitate easy access to information for Time Bank staff
● Implement necessary time bank functionality
  ○ User data
  ○ Offers & Requests
  ○ Hour tracking
● Provide a more usable interface to NRV Time Bank services compared to currently available interfaces
Popular System: hOurworld.org

- **Pros**
  - Capable back-end
  - Integration with other time banks

- **Cons**
  - Usability issues
  - Lack of interface customization options
  - Poorly documented API
Design Approaches

- Two possible approaches:
  - Create wrapper around hOurworld using API
    - Poor documentation of the API was a barrier
  - Create our own site
    - Use WordPress and its plugins to alleviate the workload
    - Create functionality with a MySQL database and PHP scripting
Prototyping

- Focused on workflow and usability
- Outline issues to be addressed during implementation
- Provide examples to interviewees for data curation
Implementation

- Mostly consists of PHP scripting
  - Back-end: Database interactions/alterations
  - Front-end: HTML generation via PHP embedded in WP pages
- Database setup
  - Adding tables to store our own data types
    - User data
    - User posts
Implementation Diagram

http://tinyurl.com/redigram
Future Goals

- Register domain
  - User-to-user contact
  - Administrator-to-user contact
- More effective information delivery (real-time feeds/chat)
- Rich media help and about pages
- More thorough documentation
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Questions?