

Team Badgers

Skills/Knowledge Badging System



Design Review

Team Badgers Members



- **Sponsors (State Farm Insurance):** Dave Hopfensperger & Glenn Austin
- **Mentor:** Sambashiva Kethireddy



Logan Ritter

- Team Lead
- Project Communicator
- Documentor



Tristan Marcus

- Development Architect
- Quality Assurance



Robel Tegegne

- 1st Release Manager



Yuanbo Xu

- 2nd Release Manager



Abdulrahman Alamoudi

- Coder

The Problem



State Farm Insurance - Enterprise Technology in Tempe, AZ

- Work with all things tech
- 6,000 employees
- Majority are currently working virtually

Current Problems

- Lack of social interaction, motivation, and recognition that existed in the office.
- There is no current online rewards/recognition system
- Unable to view what other teams/coworkers are learning, achieving, or accomplishing without direct contact.

The Solution



Gamified Web based Social Media - Skills/Knowledge Badging System

- Single Page Application (SPA)
 - Interesting and responsive GUI
 - Account system with access restrictions
 - Badge deployment system (send/receive/remove)
 - Badge printing
 - Internal social currency (kudos)
 - Email signature integration

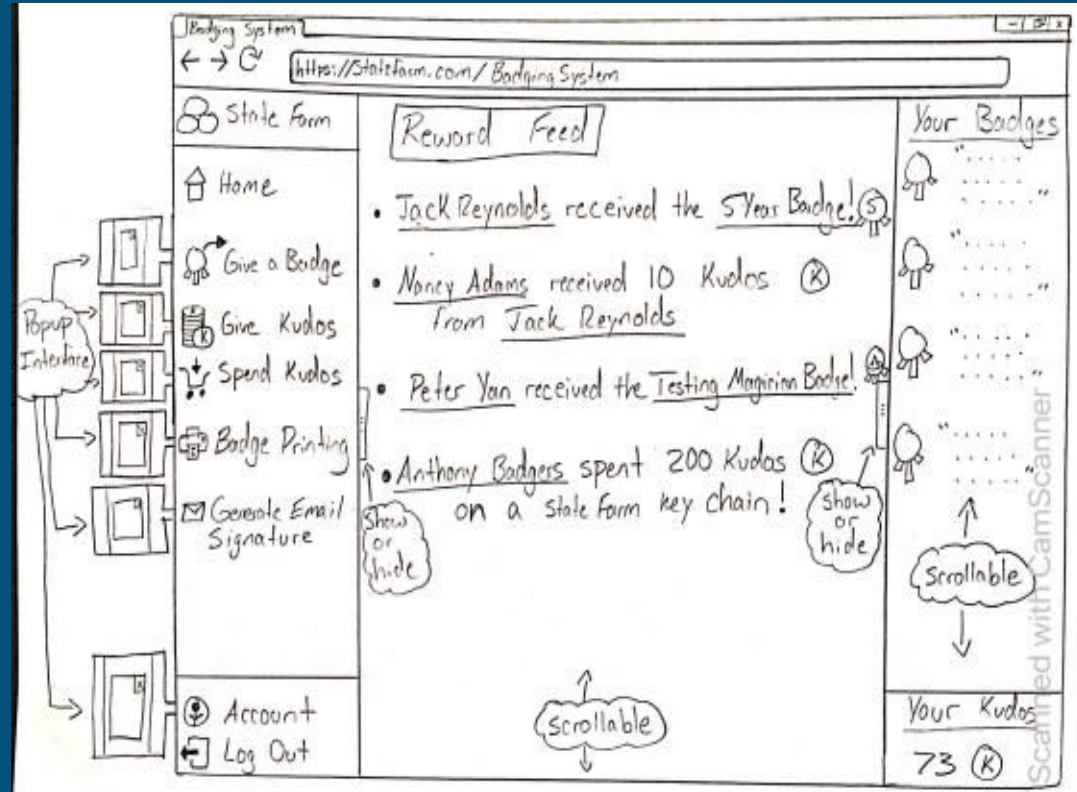
The product that we envision will be similar to a video game achievement system

Key Requirements



System Requirements

- Single Page Application with a responsive GUI
- Send, receive and store badges and kudos
- Widely displayed badges on social medias, email, skype, etc.



Functional Requirements



- Interesting and responsive GUI (Single Page Application)
 - Waterfall feed style
 - See collection of users and their badges
 - See badges you are close to achieving
 - Create groups
- Account system with access restrictions
 - Username and password login system
 - Account recovery
 - User privileges
 - System administrator
- Social currency (kudos)
 - Ability to send a user or group kudos
 - The system will store kudos
 - Ability to redeem kudos for a “reward” (set by team managers)

Functional Requirements continued



- Badge deployment system (send/receive/remove)
 - Ability to send badges to another user or group
 - Ability to receive a message with your badge
 - Ability to remove a badge from the system/user (System admin only)
 - Users can submit a forum response for the system admin to add a specific badge.
 - Provide information on badges received (When? Why? From who?)
- Badge printing
 - Can print badges received and sent
- Email signature integration
 - Ability to generate an email signature which displays a user's most recent badges or the badges of their choice

Other Requirements



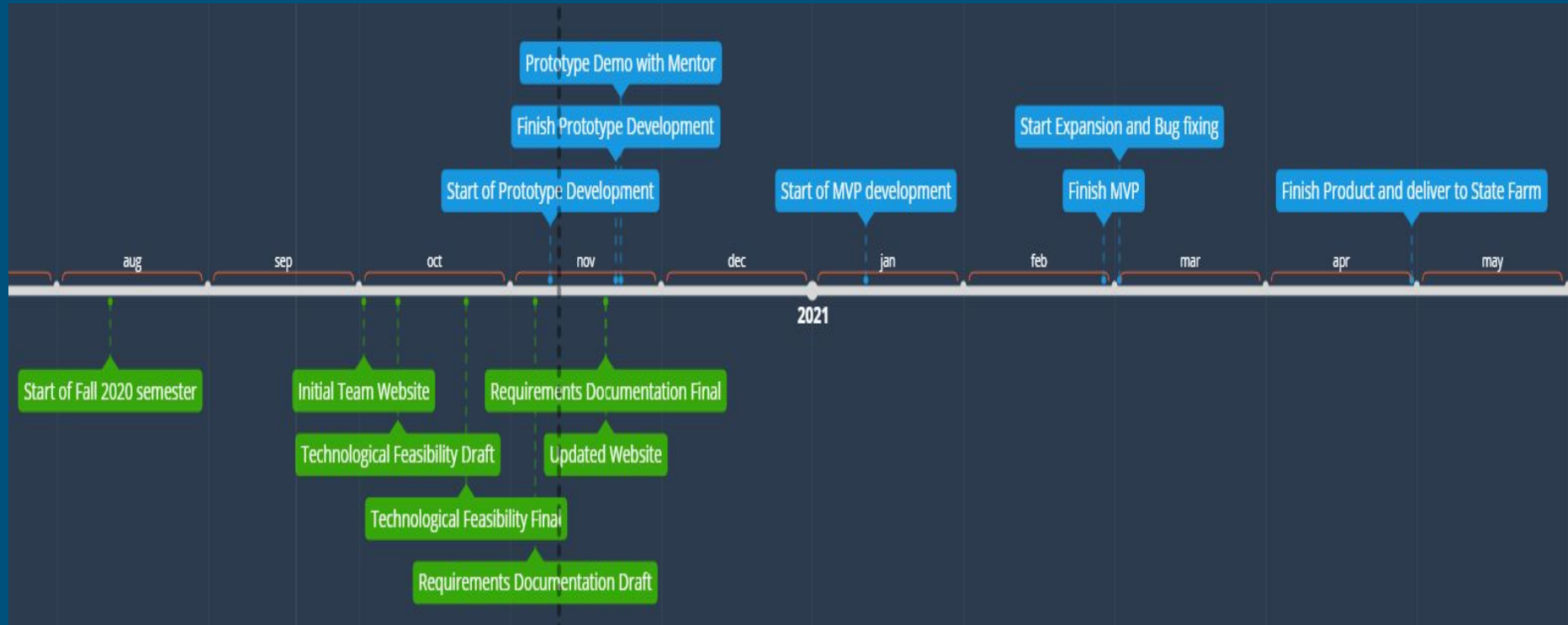
- Performance requirements
 - GUI - easy to navigate and readable
 - Accounts - creating and logging into an account will be sufficiently quick
 - Badges - Simple way of viewing and sending badges with high resolution badge images.
 - Social Currency - Simple way of sending and redeeming kudos
- Environmental requirements
 - Application must be a single page
 - Must be easy to transfer over to State Farm

Risk and Feasibility



- Database Security
 - Loss of data - develop authentication mechanisms
- Browser Incompatibility
 - Syntax problem - use more compatible syntax
 - Low-end browser - claim in the notification bar
- Maintenance
 - Coding styles - develop code writing specifications
 - Program structure - use modular design

Schedule



Closing



- Client: State Farm Insurance - Enterprise Technology, Tempe, AZ
- Problem: Lack of a system to acknowledge and reward employees for their work to help boost morale and productivity
- Solution: A gamified web based social media application that can award badges and social currency to employees
- Risks and Feasibility: Possible risks lie in the security, storage, and copyright aspects of the project.