Iteration 5 Review

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# Implemented User Stories

### Story ID: 9 - Statistics

Statistics can be generated on a form-by-form basis for any numeric fields. The minimum, maximum and average data are presented to the user visually using a bar chart. Statistics are also presented for any Boolean fields (Yes/No), and displayed on the statistics page for that particular form.

# Related Progress

### Payment

PayPal payment integration was attempted on this iteration, but proved to be more complicated than expected to integrate in an acceptable way within the application. The decision was made to postpone payment implementation for the time being and possibly indefinately as it is not a core function of the application and we felt our time could be better spent elsewhere before the final release is due.

### CSS

Issues with the out of line navigation bar have been resolved and the navigation bar is now inline.

### Mobile Views

Additional mobile views have been added to increase functionality to mobile users. Users can now log in and access their forms and form data. Some functionality of the full web service is not included in the mobile application, such as the ability to edit or view form data on a mobile device. We expect mobile users to be mostly interested in filling data into existing forms. The view switcher at the top of the page will allow mobile users to access the full web page if full functionality is essential in a mobile environment.

# Class Diagram



# Database Schema

### Entity Framework



### SMO Database



# Release Plan

# Difficulties and Learning Outcomes

### Story ID: 10 - Payment

Integrating PayPal into our application proved more challenging than initially expected. We believe the time cost of implementing a solution for this is greater than the benefit of the extra functionality. As such we have postponed implementing a payment system indefinitely due to time restraints.

### Admin Access

Difficulties in adding a single Admin user to our database arose and we could not implement an administrator role in time for this iteration deadline. This will be implemented in the next iteration.

### Azure Access

Access to the 3 month free trial with Microsoft’s Azure service requires a credit card to register. Neither member of the team has a credit card to use in the registration. An email has been sent to the college to request a solution to this.

# State diagram



# Interaction diagram

