Web-based Course Feedback Survey System - Iteration 2

Team Monty:

- Dan Kennedy
- Jacob Wahib
- Karl Nicolas
- Paul Zhu

Key

Priority: (from highest to lowest) Essential, Desirable, Optional, Future

1 Story Point = 2.5 hours of work

Epic stories

Name: *Gather Course Feedback*

Description: As a ***course administrator***, I want to *survey the attitudes of students to particular aspects of a course offering* so that *I can improve future course offerings based on that feedback.*

User stories: Z2 (create questions), Z3 (create surveys), Z4 (open survey), Z10 (admin index page)

Name: *Review surveys*

Description: As a ***staff member***, I want to *review surveys created by course administrators* so that *I can make sure they reflect the course I am teaching.*

User stories: Z8 (staff index page), Z11 (review questions)

Name: *Respond to surveys*

Description: As a ***student***, I want to *be able to respond to surveys for courses that I am enrolled in* so that *I can improve future course offerings based on that feedback.*

User stories: Z5 (fill surveys), Z9 (student index page)

Name: *Maintain system integrity*

Description: As a ***system administrator***, I want to *control who can access data within the system and maintain the integrity of that data* so that *all information around the surveys is accurate.*

User stories: Z1(login page), Z6 (store responses), Z12 (authentication module)

User stories

ID: *Z1*

Name: *Login page*

Description:

As a *system administrator*, I want to be able to *present an initial login page for the site* so that *users can be filtered by their permissions level and unauthenticated users are denied access.*

Acceptance Criteria:

- Primary user interface of the module includes at least the following: 2 text boxes that allows staff/students/admins to input their name and password, as well as a button that to initiate the login process.
- If the login is unsuccessful, displays details of why it was unsuccessful (User is not registered, password does not match etc) and allow user to try again.

Priority: Essential

Story Points: 2

ID: *Z2*

Name: *Create questions*

Description:

As a *admin user*, I want to be able to *create generic questions in the system for students to answer*, so that *I can later select them for use in surveys relating to particular course offerings*

Acceptance Criteria:

- The survey questions should have multiple type options e.g., multiple choice questions, text-based.
- Admin is able to enter strings into text boxes
- The questions are saved and are able to be accessed between logins.
- All staff have access to a single pool of generic questions which they can contribute to.

Priority: Essential

Story Points: 4

ID: *Z3*

Name: *Create surveys*

Description:

As an *admin user*, I want to be able to *create surveys in the system for students to answer*, so that *I can better facilitate the flow of feedback from the students to course coordinators.*

Acceptance Criteria:

- Admin is presented with the pool of generic questions
- Questions are able to be selected for each course offering.
- When the survey creation is done, the survey is saved in the system, corresponds to the right course, and is accessible by a student user
- We assume the admins will be honest in their creation of surveys in terms of only making surveys relevant to their fields

Priority: Essential

Story Points: 3

ID: *Z4*

Name: *Open survey*

Description:

As a *admin user*, I want to be able to *open the survey I have created with my students for a fixed period of time* so that *they can give feedback to the courses they've taken.*

Acceptance Criteria:

- Before opening the survey, it must be reviewed by the staff in charge.
- The survey should be active (i.e. open to the students) only for a fixed period of time. Once the period lapses, students should no longer be able to fill out the survey.
- Students are informed that the survey is open via other channels (e.g. email), not via the survey system itself.

Priority: Essential

Story Points: 1

ID: *Z5*

Name: *Fill Surveys Module*

Description:

As a *student*, I want to be able to *answer surveys created by staff members and have my results processed* so that *I can give feedback to the courses I've taken.*

Acceptance Criteria:

- Facilitates different kinds of inputs such as radio buttons for multiple choice questions and text boxes for qualitative responses.
- Each question selected by the administrator is presented to the student
- Students can leave questions unanswered
- Students can submit answers once the survey is completed
- Students can answer the survey ONLY ONCE.

Priority: Essential

Story Points: 3

ID: *Z6*

Name: *Store responses*

Description:

As an *system administrator*, I want *the survey data to be stored in a robust, reliable back-end system* so that *in the event of any crashes, data is not lost.*

Acceptance Criteria:

- Answers to multiple choice questions are stored in an SQLite3 database.
- Submitted answers update the database.

Priority: Essential

Story Points: 4

ID: *Z7*

Name: *Present data*

Description:

As a *admin*, I want *the information input by students to be presented in an easily viewable form* so that *I make decisions regarding future course offerings quickly and easily.*

Acceptance Criteria:

- The information stored in the backend is summarised and presented on the frontend in a way that is easy for a human to understand. Initially/at the very least, individual survey responses should be viewable by the admin. This could also include percentage summaries in text form, or even visual graphs.

- (Desirable in future) Data is broken down in a meaningful and perhaps interactive way ('by course offering' and 'by course' for example)
- This data should not be visible to students by default, other than perhaps their own responses.
- Admins can access updated total survey results once submitted by students
- Admin can make results of their own surveys public

Priority: Essential

Story Points: 3

ID: *Z8*

Name: *Staff Index page*

Description:

As a *staff user* I want to be able to *see the features available to me within the system* so that *I can navigate to them easily.*

Acceptance Criteria:

- On login the assigned list of course-offerings with associated surveys in "review" stage is displayed on the staff member's dashboard.

Priority: Essential

Story Points: 1

ID: *Z9*

Name: *Student Index page*

Description:

As a *student user* I want to be able to *see the features available to me within the system* so that *I can navigate to them easily.*

Acceptance Criteria:

- The survey system index page displays a student dashboard showing the list of course-offerings that the student is currently "enrolled" in and associated with a "open" survey

Priority: Essential

Story Points: 1

ID: *Z10*

Name: *Admin Index page*

Description:

As an *admin ("super") user,* I want to be able to *see the features available to me within the system* so that *I can navigate to them easily.*

Acceptance Criteria:

- On successful login, an admin user is shown the correct user interface which allows them to create surveys and add/delete questions from a pool of generic questions.

Priority: Essential

Story Points: 1

ID: *Z11*

Name: *Review questions*

Description:

As an *staff user,* I want to be able to *review the surveys in the system* so that *I can customise them for my students.*

Acceptance Criteria:

- A staff can click on a particular course-offering. This takes them to the survey form to be reviewed.
- The staff cannot make any changes to the generic questions.
- However, they can add/delete one or more optional questions.
- Once they have reviewed the survey, the changes are saved.

Priority: Essential

Story Points: 2

ID: *Z12*

Name: *Authentication module*

Description:

As a *system administrator*, I want to be able to *control who accesses the survey system and for what reasons* so that *survey information is accurate.*

Acceptance Criteria:

- The authentication module is provided with a csv file "passwords.csv" that will contain the zIDs, passwords and role ("staff or student") for all users (student and staff).
- The authentication module will import these security details into the database. Additionally, the authentication module will store the authentication details for the admin user in the database.
- A student is able to log into the survey system using their zID and password.
- An admin user is able to log into the survey system with an admin username and password.
- A staff can log into the system using their staff-id and password.
- The information input by the user will be checked against the database.

Priority: Essential

Story Points: 4