

Proto

Statement of Work

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Project Overview

The primary objective for this project is to implement the web app, Proto with Student, Teacher, Reviewer, and Administration pages. The goal is to be able to run these pages on a shared database with the functionalities described below.

Any verbal discussions between Dr. Dunn and the Proto Developers that elaborate on features and functions not contained in this document are not considered deliverable for this portion of work, unless specifically agreed upon and amended to this document.

Definitions

Deliverables - represents functionalities and features that will be finished by the project's completion

In Scope Items – represent work efforts or deliverables that are included in the Statement of Work.

Extended Scope Items – represents functionalities that may be too difficult for this project and are included as possible future implementation if time allows. They are not guaranteed to be in the final deliverables.

Assumptions – represent external circumstances that are not likely to occur or previous decisions that are not likely to change. If a circumstance does occur or if a decision is changed, the project timeline, cost, and deliverables may be impacted.

Reviewers - represent users who will review and critique the stories of student users.

Students - represent users who will learn writing techniques, plan out their story, write the story, and then receive feedback on their work.

Teachers - represent users will register their students for access to the site and then have access to all the work and reviews for their students

System Administrator - represents the administration user of the site who will have access to all other user information, must confirm registration of student and teacher users before their accounts become active, and who can adjust the content of the web site.

Administration Page - represents the page viewable by the System Administrator only and offers a GUI for viewing all other users and editing content.

Teacher Page - represents the page viewable by the Teacher users only that allows them to register themselves and their students

Reviewer Page - represents the page viewable by the Reviewer users only that will allow them to watch a short training video on reviewing, search for stories to review, review stories, and view other reviews of the same stories

Student Page - represents the page viewable by the Student users only where they can watch video lessons, plan out stories, compose them, and then submit their stories for future review.

Acronyms

GUI - Graphical User Interface

SoW - Statement of Work

Extended Scope Items

Voice Recording - a feature that allows a Student to record their idea for a story before they begin writing

In-text Commenting - a feature that allows reviewers to insert comments into text documents

Reviewer Communication - a feature that allows reviewers to discuss discrepancies in scoring over an 'instant message' style format

Themes - a feature that allows the System Administrator to interact with a GUI on the Administration Page to change the style, background, or visuals of the Student, Teacher, and Reviewer page

Drawing Option - a feature that allows for a drawable surface on the Student Page where the drawing can be saved and viewed during the writing portion

Technical Assumptions

Database - The backend systems used to store data given by users. The database will be hosted on WSU Vancouver servers and designed by the team. Data can be exported/imported as needed should backups or migration be required.

Videos - The system will not be designed to store videos, instead it will use a YouTube plug-in where the videos are hosted and streamed through YouTube. Technical problems with the videos due to YouTube disruptions are not the responsibility of the Proto Developers.

Feature Deliverables

Section 1 Student Page

This deliverable covers the implementation of web pages that can be used to manage the registration, video watching, story planning, story writing, and reviewing story feedback by student users.

Scoped items

Strategy Videos - One instructional video that a Student can view prior to writing a story that will be on its own page. Once the video has been watched, an inactive button will become active that allows the student to proceed to the next page.

Planning page - provide a form with a few probing questions about the story for the Student to answer before they begin the writing phase as well as a small drawable space for visual planning. Once these questions have been answered

Text Page - A page Students can use to write their story by providing a title and the content.

Timer - a timer not visible to the Student that will begin once they start the planning phase and end when they submit their final story from the text page.

Research Agreement - An agreement that is signed by the Student to give access to the System Administrator to view and use the data retrieved from Student usage in research.

Excluded Scope Items

Section 2 Reviewer Page

This deliverable covers the implementation of web pages that can be used to manage the registration, video watching, story reviewing, and reviewer discussions by reviewers.

Scoped Items

Reviewer Registration - This view allows a Teacher user to provide information in order to send a registration request to the System Administrator. Once the request has been confirmed

Training - The reviewer must participate in training before first reviewing work. This may be in the form of a video, text instruction or both.

Viewing Stories for Review - This provides a list of the stories available to be reviewed sorted by oldest story and number of reviews.

Reviewing Stories - The reviewer may participate in the review process for a selected story.

View Other Reviews - A reviewer will have access to other reviews made to the same student story.

Comparison - The reviewer will be able to compare their review with others of the same student story and enter a resolution process if necessary.

Section 3 Teacher Page

This deliverable covers the implementation of web pages that can be used to manage the registration, student registration, and accessing all student stories and associated reviews by teachers.

Scoped items

Registration for Teacher - Teachers will provide name and email for themselves as well as upload a list of all students that they are to be responsible for. This will need to be confirmed by the Systems Administrator in order to complete registration.

Registration for Students- Teachers will provide name and email information for each student they wish to have access to the application. Once a Teacher has been confirmed by the System Administrator, the Teacher's students will also be registered and allowed to use Proto.

Access Student Stories - Teachers will be able to select a the name of a student they have registered and view a list of all stories the student has completed by title, as well as see if there have been any completed reviews for that paper. The full paper can be viewed by clicking on the title.

Access Reviewers Feedback & Scores - When viewing the list of student stories, the reviewers (if any) can be selected, displaying the reviews and scores for that paper.

Section 4 Administration Page

This deliverable covers the implementation of web pages that can be used to confirm teacher and student registration, theme setting, video uploading, and accessing the associated information of student, reviewer, and teacher users by the administrator.

Scoped items

Add Videos - It is assumed that all course videos will be initially uploaded to www.youtube.com prior to being added to Proto. A field in which to enter the youtube based address of a video will be provided. Only one video will be displayed on the site at a time.

Confirm Teacher Registration - When a teacher registers with Proto a notification will be sent to the Systems Administrator page displaying the name and email of the teacher and all students they also seek to register with Proto. The Administrator will be allowed to confirm or deny registration with Proto for the teacher. Confirmation will complete registration with Proto.

Confirm Student Registration - The Systems Administrator will accept or deny the students added by a teacher as a group. This will complete the student registration.

View All Students - Button to displays a list of all students currently registered with the proto system, as well as their corresponding teacher.

View All Teachers - Button to display a list of all teachers currently registered with the Proto system as well as a number representing the number of students they are in charge of supervising.

View All Reviewers - Button to display a list of all reviewers currently registered with the Proto System.

Excluded Scope Items

Multiple Videos - Support for more than one video to be displayed at a time. Additionally, an archive of videos that are not currently displayed may be included. All additional videos will be stored via URL.

Section 7 Database & Backend

This deliverable discusses the implementation of the database and other backend functionality that has been requested.

Scoped items

Student Stories Need to be Reviewed at Least Twice - This will be represented by a counter in the database.

Database Setup - The MySQL database will be hosted by Washington State University at `db.encs.vancouver.wsu.edu` until May 4, 2015.

Timeline

This SoW will be delivered in two sprints.

1. From October 2014 until December 15, 2014
 - This sprint will establish GUI but without much of the implementation.
2. From January 12, 2015 to May 4, 2015.
 - This sprint will be used to implement the remaining features.