**Socially Awkward Penguins CONNECT PRESENTATION**

**Also known Nebelung**

**Introduction ~ 1 min**

* Who we are and why Connect
* What is Connect?
  + Connect is a new course management tool recently implemented here at UBC as a candidate replacement for the past Vista framework. Connect and Vista’s main functionality has been to act as a management tool for professors and students to use for courses.
    - Some of the existing functionalities are:
      * Uploading marks and lecture notes
      * hosting quizzes and discussion groups
    - All these functionalities aim primarily at instructor with students being the target audience of output
  + We noticed that the general consensus indicate that people are not satisfied with the current implementation

**Body ~ 5 min**

* Stakeholders and focus: Professors, TAs, and students
* Semi-structured interviews with potential stakeholders
  + Main goal: Discovery of issues which users have with the current implementation of Connect.
  + Common complain:
    - Cluttered UI
    - Confusing and difficult to navigate and use.
  + Students:
    - Not enough professors used it to its full potential, giving them not enough incentive to become fully accustomed to it
    - Wishlist:
      * Personal group management (help collaboration)
        + File Sharing
        + Chat
  + Professors:
    - Too difficult to accomplish simple tasks
    - Wishlist:
      * Easier to use Quizzing Creation
      * Inheritance of courses to new instructors
  + Goals
    - To create a unified tool for project & group management which enables students, professors and teaching assistants to manage all classes (groups) and files.
* LoFi Cognitive Walkthroughs
  + We created 3 prototypes to address the 3 most common complaints about Connect:
    - Inheritance
    - Exam Creation
    - Grouping
  + Objective: To establish consensus on a new UI which will best serve all users
  + Results of Cognitive Walkthrough:
    - Indicated an approval of our now reduced and more minimal UI
    - an increase in ease of navigation of functionality
    - an overall increase in execution speed of common tasks
* MedFi Video Demo - 1 min 41 sec
  + 3 prototypes - horizontal home screen, vertical inheritance, test adaption, and group management in HTML and ASP .NET for VB
  + Right now I will show a quick demo video with our med fi prototype
  + To begin with "Inheritance” -
    - HTML.
    - horizontal prototype of the Connect home page navigation
    - edited and removed.
    - remove and add permissions to the new owners.
  + The next is Exam creation, done by ASP.net.
    - This tool is built to adopt old exams for the newer course.
    - As the exams and questions are listed out, the exam types can be changed from True and False to multiple choice.
    - New options can be added and edited with the previous data available, instead of creating the entire exam from scratch.
    - Also, the more desired questions can be collected together and reordered to form a new version of exam for the future course.
  + Finally, this is Grouping.
    - HTML and PHP
    - The background of this tool is to built around the fact that all the members in a class can be broken into small Groups.
    - As you want to get a group, just create one and recruit people with this simple UI.
    - Different permission
* Observations
  + Conducted observational walkthrough and post task semi-structured interview with a group of potential users ~~2 Professors, 5 TAs, 1 Student.~~
  + Results
    - Inheritance:
      * 8/8 good navigation, layout, easy to find things
      * 2/8 specifically noted the need for confirmation of potentiall dangerous actions such as deletion of content.
    - Exam Adoption and Reuse:
      * 6/7 requested for more instructions and feedback
      * accomplishment: reduce number of pages by 75% and reduce number of clicks by 23%
    - Grouping:
      * 4/4 like layout and the idea of grouping and found the workflow to be natural and easy to use.
      * 2/4 want to see clearer explanation of non explicitly labelled functions (buttons, sections, etc...)
  + Analysis
    - Inheritance:
      * Easy to navigate, the layout was clean and it was easy to use..
      * Needs to include a confirmation for potentially dangerous actions such as deletion of content.
    - Exam Adoption and Reuse:
      * An overall 75% reduction in required page changes and a 23% reduction in the required amount of mouse clicks for the same action
      * focus on: Optimization of workflow
      * To show more information to the user as to clearly indicate what functionality exists.
    - Grouping:
      * Showed wide set approval of the idea of grouping and project management.
      * A more clearly labeled UI and more natural labelling of icons

**Conclusion ~ 1 min**

* In closing, the overall approval rating of our prototypes was exceptionally high; with a an overall approval rating of 95% and a 5% disapproval coming from inability to incorporate the prototypes to their needing due to faculty constraints.
* The majority of all users enjoyed our product and found it all aspects of it useful.
  + with 87% of professors, 90% of TA’s and 95% of students indicating that adding our functionality to Connect would push them using and enjoying the usage of Connect more so.
* With our prototypes, 90% of people liked inheritance feature, 75% enjoyed Exam creation and 95% liked grouping with an overall approval rating of 95%
* These numbers indicate that our changes were very much positive and brought about an improvement to Connect.