RIT MyCourses Redesign
Process Deck

NMD GUI | Adam Smith
Yumi Kim
Fall 2015

The road to success is straight and narrow. We cannot allow for confusion and distractions to lead us astray. **Organization is key to success.**

Problem & Solution Statement

MyCourses went through a redesign in 2014 and made some significant improvements. While the features were improved, its GUI and user experience can use some adjustments.

In my redesign, I plan on improving the efficiency of students using the system through better organizational tools. My goal is to empower the students and allow them to succeed with as little stress and confusion as possible.

Client Needs

What is the product?

MyCourses is an online web app that connects professors with their students. Professors can upload content for students, receive assignments, and check the progress of their students. Students can use MyCourses as a way to have easy, paper-less access to class materials. In addition, students can upload assignments, take quizes, view their grades, and collaborate with other students.

Client Needs

Who is the client?

RIT is one of the largest privately owned university with over 18 thousand students. It is a rapidy growing university with a demand for elegant solutions with its increasingly complex problems. RIT is known for its high caliber students and alumni and quality of education.

What are their needs?

RIT needs to improve its reputation as a university through more successfull students. It needs an effective system that assists students in maintaining and improving their grades.

Objectives, Features & Expectations

What is the objective?

For students to perform better in classes through the aid of MyCourses. This will be accomplished through a seamless, effective design that increases students' organizational skills.

General Features

- Incorporate dropbox due dates, quizes, and content into the calendar
- Make accessing content between classes easier
- Make notifications more accurate and easily accessible
- Improve the experience of users on mobile devices

Empathy Map

Think and Feel?

- accomplished when submitting an assign-
ment
- worried about checking grades
- aspire for good grades
- anxious about meeting deadlines
- stressed when taking timed quizes

See?

- graded assignments
- uploaded content from professors
- discussions between students

Hear?

- hear professor's feedback on assignments
- discuss topics with other students on the
discussion board

Say and Do?

- upload completed assignments to Dropbox
- look for grades
- download content from professors
- take quizes

Survey Results

Majority of users are between the age of 18 - 21
Majority of users are male
Majority of users are in a technology related field

Most users visited myCourses 5 - 7 times a week
Most users spend between 5 - 10 minutes per visit on myCourses
Around 80% of all courses taken at RIT use at least one part of myCourses

Most users visit myCourses to download content, submit assignments, and check grades
Commonly used features include Content, Dropbox, and Grades
Favorite features are Content, Dropbox, Grades, and notifications

Most common complains about myCourses is the mobile version, dropdown courses menu, and lack of log in consistency between RIT platforms

Users would like to see improved calendars and notifications

User Stories & Personas

Freddy Wong

Age: 21
Gender: Male
Education: BFA in Photography
Occupation: College Student
Income: Upper-middle Class
From: Cambodia

Freddy is out in the field, off campus, working on an assignment. He forgot the exact details of the assignment and wants to check MyCourses on his phone. He wants to access the content his professor uploaded last class.

Vanessa Flynn

Age: 37
Gender: Female
Education: phD in Politics
Occupation: College Professor
Income: Lower-middle Class
From: Chicago

Vanessa Flynn is a professor for Politics in the Indian Caste System. She's at home and needs grade papers. She wants to include comments and check plagarism for each individual. She wants to see, in detail, where students plagarised.
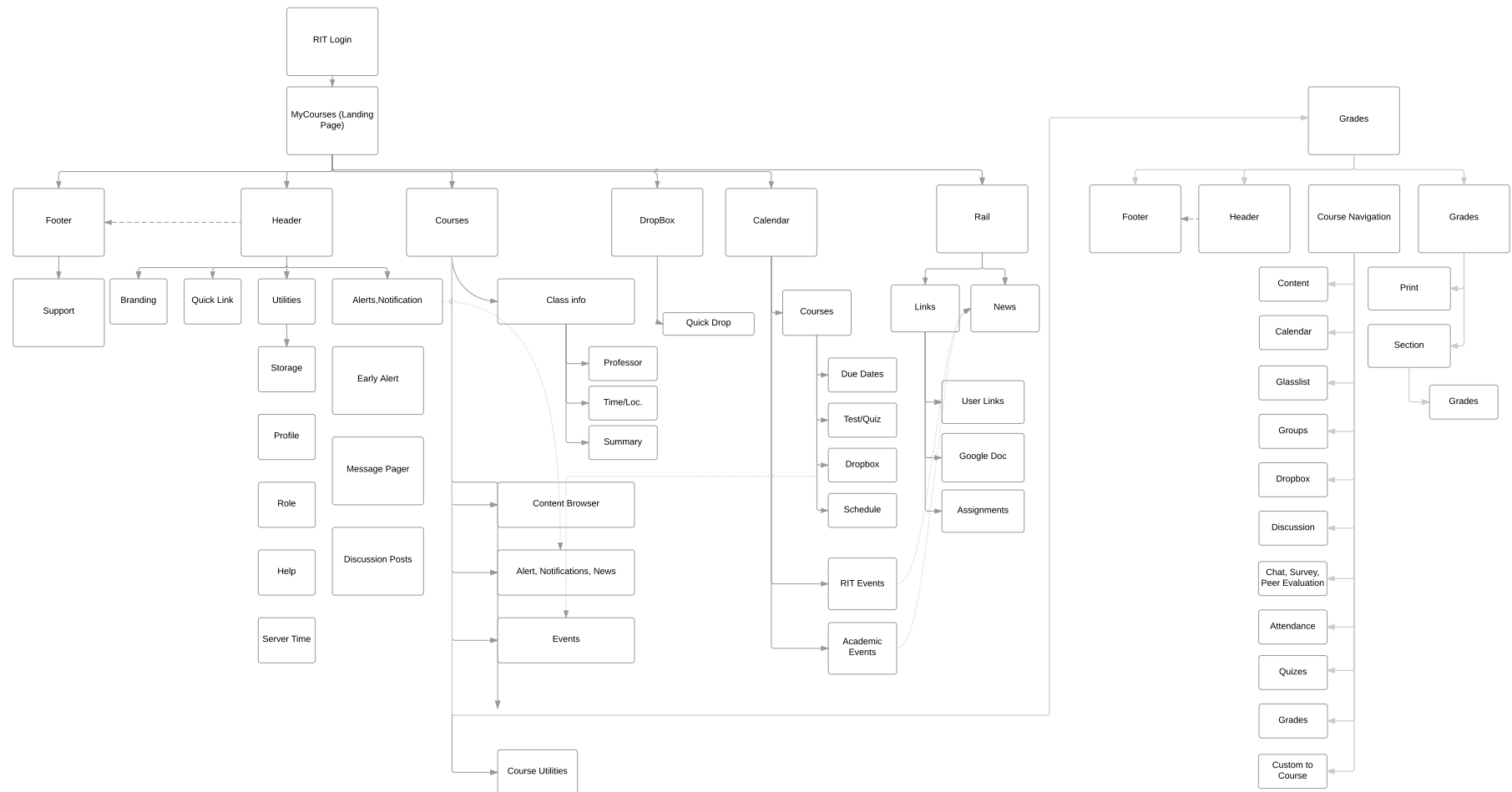
Leslie McDonald

Age: 18
Gender: Female
Education: Undecided Major
Occupation: College Student
Income: Upper Class
From: Florida

Leslie is new to college and is overwhelmed with her current workload. She wants to go on MyCourses to figure out what she needs to get done within the next week. She's frustrated that she has to navigate through many of the different tabs to figure out what is due and when.
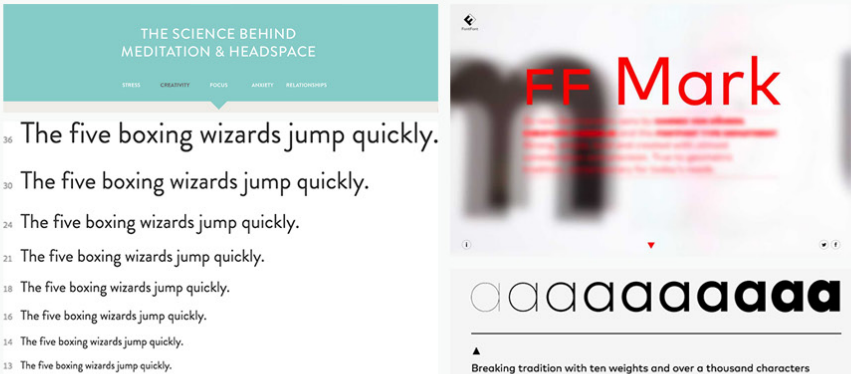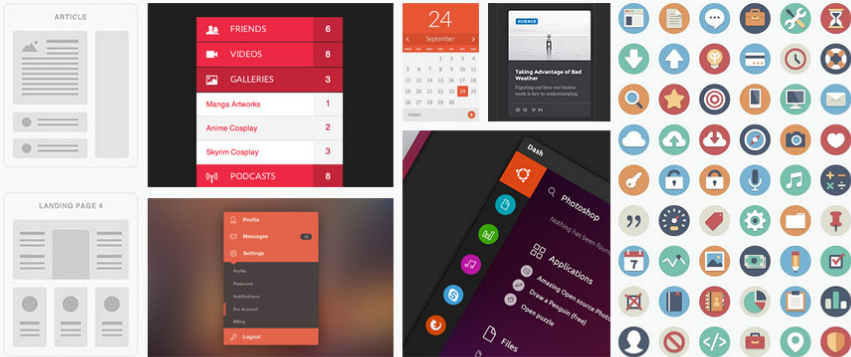
User Flow

Information Architecture
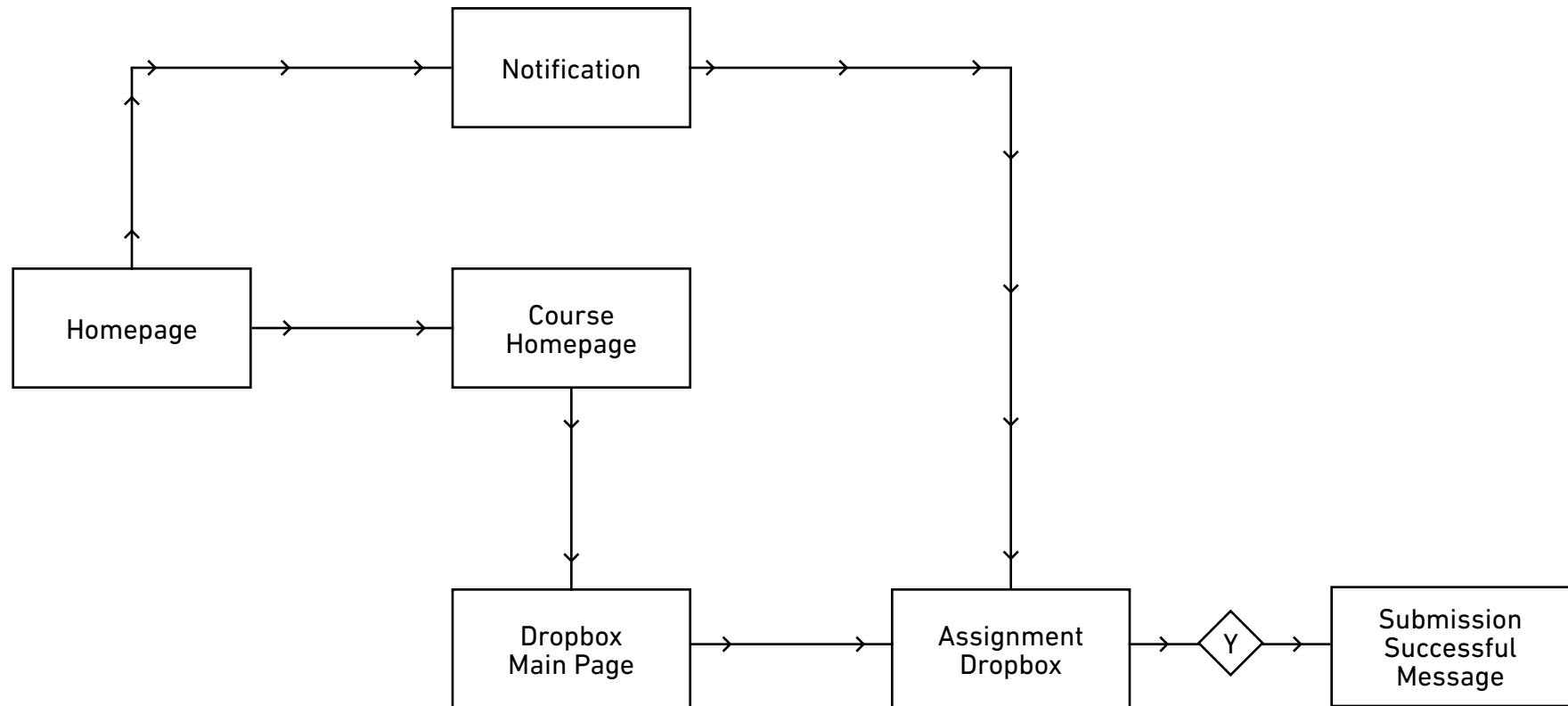
Moodboard

Moodboard
MyCourses Redesign

Yumi Kim

Initial Redesign

Issues

1) Same color used for different purposes
The color orange is used as a header for different categories, as well as the primary color for the calendar, making the design incohesive.

2) Lack of spacing between elements
White space in the design is lacking, making the interface very busy and wanting more breathing room.

3) Useless element
The calendar is useless in the case because it doesn't have any associated features with it. Knowing the date itself is useless.

4) Lack of innovative view for courses list
The redesign failed to provide an innovative view for courses list. Instead, it implemented the old myCourses method of listing out classes in a vertical column.

Low-fidelity Wireframes

| Logo | | | msg | alrt | ntfc | Profile |

Warning Message

Schedule
(upcoming classes)

Upcoming Assignments & Unread Content

| Class 1 | Class 2 | Class 3 | Class 4 | Class 5 | Class 6 |

News

| Technical Support | Early Alert |

| Logo | Title | | | msg | alrt | ntf | Profile |

Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
———
gMail
gCalendar
gDrive
———
Locker
Help

Upcoming Class

Upcoming Assignments & Unread Content

News

Early Alert

Technical Support

Low-fidelity Wireframes

| Logo | | msg | alrt | notf | Profile |

Warning Messages

Calendar

Daily Schedule

Course Title | Course Place & Time | edit card

Grades | Recent Content | Dropboxes

Course Title | Course Place & Time | edit card

Grades | Recent Content | Dropboxes

Course Title | Course Place & Time | edit card

| Logo | | msg | alrt | notf | Profile |

Warning Messages

Status Bar

All Dropboxes

Dropbox

Related Content

Feedback
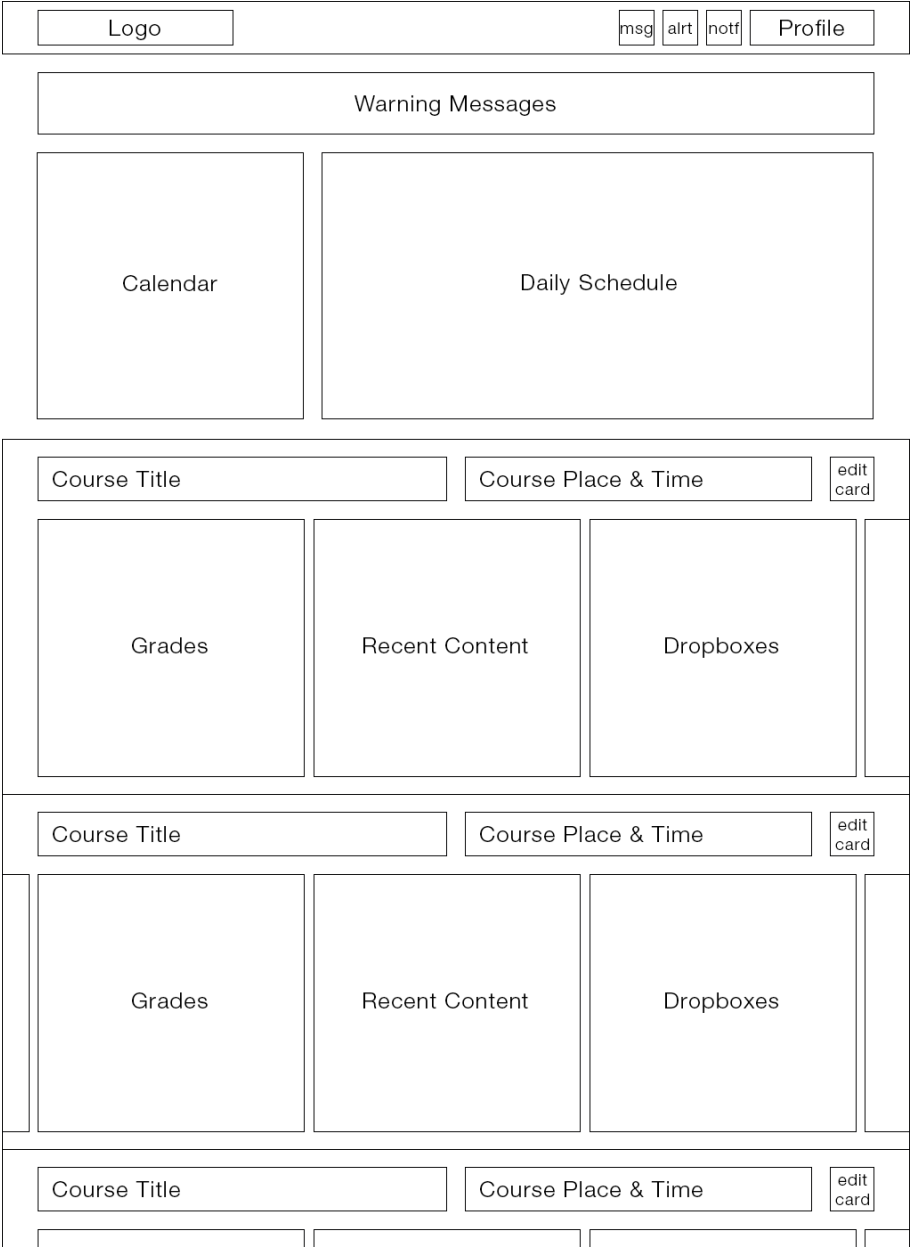
High-fidelity Wireframes (Round 1)

R·I·T myCourses

PE03 - Data Retreival dropbox closing soon
Due at 23:59

September

14:00
15:00   Database Connnectivity ..
16:00
17:00   Japanese Conver..
18:00
19:00   Ceramics 3 Credit Electi..
20:00   BOO - 2614
21:00
22:00
23:00   PE03 - Data Re.. ›
24:00

CCER.530.04
Ceramics 3 Credit Elective   Tues & Thurs 18:00 - 20:20 BOO-2614

Grades	Recent Content	Dropboxes	
100% Project 1	Syllabus.pdf	none	nor
86% Project 2	Hand building - coil me..		

FOOD.153.02
Foods of the World   Wed 12:00 - 14:00 EAS-4125

Grades	Recent Content	Dropboxes	
92% Dish presentation	Africa.pptx	9/10 Restaurant review	9/1
78% Restaurant review	Italy.pptx	10/30 Paper outline	10/
0% Paper - outline	Poland / Russion.pptx	11/14 Paper	11/
0% Paper			

ISTE.330.01
Database Connectivity & Access   Tues & Thurs 14:00 - 15:15 GOL-2650

R·I·T myCourses

PE03 - Data Retreival dropbox closing soon
Due at 23:59

Dropbox Status
75%

PE01 - SQL Review
Friday, September 4 23:59

PE02 - Drivers
Friday, September 18 23:59

PE03 - Data Retrieval
Friday, September 25 23:59

PE04 - Exceptions
no end date

PE03 - Data Retrieval

Drag and drop file(s) here or   Browse computer

Assignment
PE3_Week4_Practice Exercise.pdf

R·I·T   Rochester Institute of Technology
Golisano College of Computing and Information Sciences
Department of Information Technology

ISTE-330 Database Connectivity and Access
Practice Exercise 3
Data Retrieval

Assignment Purpose: Practice writing generic code and working with metadata.

You may either use Java or .Net for this assignment.

1. Modify your "database" class from PE2 as follows:
   a. Add a method named getData that accepts an SQL string and returns a 2-d ArrayList (or List if using .NET). This will be used for doing "SELECT" sql statements.
      i. getData should perform the query that is passed in and then convert the ResultSet (or RecordSet) into a simple 2-d ArrayList (or List).
   b. Add a method named setData that accepts an SQL string and returns a Boolean. This will be used for doing "UPDATE", "DELETE", and "INSERT" operations.
      i. setData should perform the query that was passed.
      ii. If the query runs successfully it should return true. Otherwise it should return

Comments	Grade
none	not yet graded

High-fidelity Wireframe (Homepage)

R·I·T myCourses

September

14:00
15:00   Database Connnectivity ..
16:00
17:00
18:00
19:00   Ceramics 3 Credit Electi..
20:00   BOO - 2614
21:00
22:00
23:00   PE03 - Data Retrieval
24:00

gCalendar   Facebook

Fall 2014   Spring 2014   Summer 2014   Fall 2015   Spring 2015

CCER.530.04   Tues & Thurs 18:00 - 20:20 BOO-2614
Ceramics 3 Credit Elective

Grades	Recent Content	Dropboxes	
100% Project 1	Syllabus.pdf	*none*	*non*
86% Project 2	Hand building - coil me..		

ISTE.330.01   Tues & Thurs 14:00 - 15:15 GOL-2650
Database Connectivity & Access

Dropboxes	Recent Content	Grades	
9/2 PE01 - SQL Review	Syllabus.pdf	108% PE01 - SQL Review	*non*
9/21 PE02 - Database...	week 1.pptx	92% PE02 - Database Co..	
10/4 PE03 - Data Retrie..	week 2.pptx	0% PE03 - Data Retrieval	
10/22 PE04 - Exception..	week 3.pptx	0% PE04 - Exception H..	
	week 4.pptx	0% PE05 - Metadata	
	week 5.pptx	0% PE06 - Modified dat..	

Functionality

1) Date picker and daily schedule viewer
Users will be able to view their daily schedule on an hourly basis. This schedule viewer will display class times, dropbox due dates, and personal Google Calendar events.

2) Semester picker
Users may switch semester to view to access past and future classes. This is a horizontal scroll.

3) Class information
Important class information such as course code, course name, and time and location of class will be displayed here. In addition, users may edit course order, information, and sub-sections using the edit button to the right.
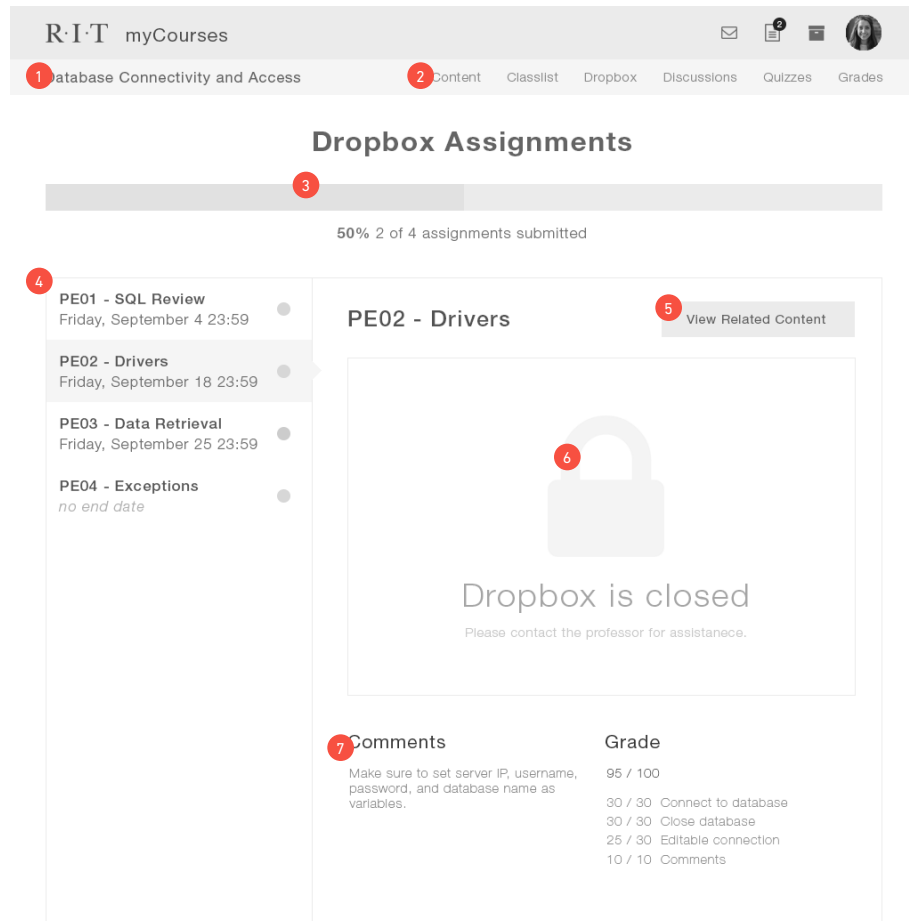
4) Class sub-sections (horizontal scroll)
Class sub-sections will include information from sub-pages of courses. Users may edit the order and visibility of different sub-sections via the edit button.

5) Messages, notifications, dropboxes, profile
Users will be able to view most recent messages, notifications, and dropboxes, as well as receive notifications on new events. Users may also edit their profile and log out via their profile icon on the top right.

High-fidelity Wireframe (Dropbox)

R·I·T myCourses

Database Connectivity and Access   Content   Classlist   Dropbox   Discussions   Quizzes   Grades

Dropbox Assignments

50% 2 of 4 assignments submitted

PE01 - SQL Review
Friday, September 4 23:59

PE02 - Drivers
Friday, September 18 23:59

PE03 - Data Retrieval
Friday, September 25 23:59

PE04 - Exceptions
no end date

PE02 - Drivers   View Related Content

Dropbox is closed
Please contact the professor for assistanece.

Comments   Grade

Make sure to set server IP, username,   95 / 100
password, and database name as
variables.   30 / 30 Connect to database
                                         30 / 30 Close database
                                         25 / 30 Editable connection
                                         10 / 10 Comments

Functionality

1) Course navigator
Users may switch currently viewed course via a dropdown. All active courses within currently selected semester will be listed.

2) Sub-navigation for course sub pages
Users may access other sub pages for the course.

3) Dropbox completion progress bar
Visual representation of the completion of all open dropboxes.

4) View all dropboxes and their statuses
List view of all currently dropboxes and their statutes. These dropboxes may be clicked to view further information.

5) Related dropbox content
Opens a model window with content related with dropbox. Provides quick access for users who want to view assignments and rubric.

6) Upload files to dropbox
Users may drag files or browse local files to upload files to the dropbox. Files will be uploaded automatically and listed within the dropbox area.

7) Comments & grades from graded dropboxes
Comments and grades from professor for feedback to student.

Final Design (Homepage)

R·I·T myCourses

September

	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30		

14:00
15:00 — Database Connecti..
17:00
18:00
19:00 — Ceramics 3 Credit El.. BOO - 2614
20:00
21:00
22:00
23:00
24:00 — PE03 - Data Retrieval

gCalendar   Facebook

Fall 2014   Spring 2014   Summer 2014   **Fall 2015**   Spring 2015

Ceramics 3 Credit Elective
CCER.530.04
Tues & Thurs 18:00 - 20:20 BOO-2614

Grades		Content	Dropboxes
A- 93%		Syllabus.pdf	*none*
186 / 200 points		Hand building - coil meth..	
100% Project 1			
86% Project 2			

Foods of the World
FOOD.153.02
Wed 12:00 - 13:50 EAS-4125

Professor	Content	Grades
Eric Wendorff	Syllabus.pdf	0%
Executive chef at Wegmans		0 / 0 points
etwism@rit.edu		
1.585.396.1253		

Database Conn & Access
ISTE.330.01
Tues & Thurs 14:00 - 15:15 GOL-2650

Content	Dropboxes	Grades
Week 5 slides	PE06 - Modified Data	**A** 102%
C# tutorial	PE05 - Metadata	306 / 300 points
PE04 - Exceptions	PE04 - Exceptions	100% PE03
Week 4 slides	PE03 - Data Retrieval	100% PE02
View all	View all	106% PE01

NMD GUI   Yumi Kim

Final Design (Dropbox)

R·I·T myCourses   ✉ 🗐² 🗄 👤

Database Connectivity and Access   Content Classlist Dropbox Discussions Quizzes Grades

Dropbox Assignments

[progress bar] 33% 2 of 6 assignments completed

PE01 - SQL Review *Closed* 🔴	
PE02 - Drivers *Closed* 🟢	
PE03 - Data Retrieval Friday, September 25 23:59 🟢	
PE04 - Exceptions Friday, October 2 23:59 🟡	
PE05 - Metadata *no end date* ⚪	
PE06 - Modified Data *no end date* ⚪	

PE02 - Drivers   [View Related Content]

📄 PE02.zip   submitted on Wednesday, September 16 at 13:18

✅

Assignment graded

Comments   **Grade**

Make sure to set server IP, user-   95 / 100
name, password, and database
name as variables.   30 / 30 Connect to database
                                        30 / 30 Close database
                                        25 / 30 Editable connection
                                        10 / 10 Comments

R·I·T myCourses   ✉ 🗐² 🗄 👤

Database Connectivity and Access ▾   Content Classlist **Dropbox** Discussions Quizzes Grades

Dropbox Assignments

🔒 Closed Dropboxes	**2**
PE01 - SQL Review *Closed* 🔴	
PE02 - Drivers *Closed* 🟢	
⬆ **Open Dropboxes**	**2**
PE03 - Data Retrieval Friday, September 25 23:59 🟢	
PE04 - Exceptions Friday, October 2 23:59 🟡	
⏱ Upcoming Dropboxes	**4**
PE05 - Metadata *no end date* ⚪	
PE06 - Modified Data *no end date* ⚪	
PE07 - Stored Procedures *no end date* ⚪	
PE08 - Validation *no end date* ⚪	

PE02 - Drivers   [View Related Content]

📄 PE02.zip   Wednesday, September 16 at 13:18

✅

Assignment graded

🟢 Submitted assignment   🟡 Open dropbox with no submission   🔴 Missed dropbox   ⚪ Locked dropbox

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Technical Support

For questions regarding SIS, enrollment, or
billing please visit RIT Enrollment for contact
information and hours of service.

For questions specific to a course or course
materials, please use your instructor as your
first point of contact. Questions regarding
your course schedule or other academic con-
cerns should be directed to your academic
advisor.

E-mail: tlsupport@rit.edu

myCourses Server Time

13:21:15

User Links

Invision ›

RIT Gmail ›

SIS ›

Course Quick Links

Ceramics 3 Credit Elective ›

Foods of the World ›

Database Connectivity and Access ›

Advanced Japanese I ›

NMD: GUI ›

New Media Career Skills ›

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Advanced Japanese I ›

NMD: GUI ›

New Media Career Skills ›

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Final Design (Grades)

Left mockup

R·I·T myCourses   ✉ 📄2 🗃

Database Connectivity and Access   Content   Classlist   Dropbox   Discus-sions   Quizzes   Grades

Grades

Total Grade

B+

87%

Assignments Turned in

100%
4 / 4

Total grade over time

PE01 - SQL Review
Friday, September 4 23:59

PE02 - Drivers
Friday, September 18 23:59

PE03 - Data Retrieval
Friday, September 25 23:59

PE04 - Exceptions
no end date

PE01 - SQL Review

A

Rubric

95 / 100

30 / 30   Connect to database
30 / 30   Close database
25 / 30   Editable connection
10 / 10   Comments

[Related Content]   [Dropbox]

Comments

Make sure to set server IP, user-name, password, and database name as variables.

Right mockup

R·I·T myCourses   ✉ 📄2 🗃

Database Connectivity and Access ▾   Content   Classlist   Dropbox   Discussions   Quizzes   Grades

Grades

Total Grade

B+

87%

Assignments Turned in

75%

Total grade over time

🔒 **Practice Exercises**   2

PE01 - SQL Review
Closed   A

PE02 - Drivers
Closed   F

⬆ **Exams**   2

Midterm
Friday, September 25 23:59   B-

Final Exam - Practical
Friday, October 2 23:59

Final Exam - Theory
no end date

⏱ **Group Prject**   4

User Documentation
no end date   A

Database Abstraction
no end date

PE01 - SQL Review

Rubric

95 / 100

A

30 / 30   Connect to database
30 / 30   Close database
25 / 30   Editable connection
10 / 10   Comments

[View Related Content]   [View Dropbox]

Comments

Make sure to set server IP, username, password, and database name as variables.

Really like the feedback from in the console.

Technical Support

For questions regarding SIS, enrollment, or bill-ing please visit RIT Enrollment for contact infor-mation and hours of service.

For questions specific to a course or course materials, please use your instructor as your first point of contact. Questions regarding your course schedule or other academic concerns should be directed to your academic advisor.

E-mail: tlsupport@rit.edu

myCourses Server Time

13:21:15

User Links

Invision ›
RIT Gmail ›
SIS ›

Course Quick Links

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NMD: GUI ›
New Media Career Skills ›

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