

CSI 418 Software Development

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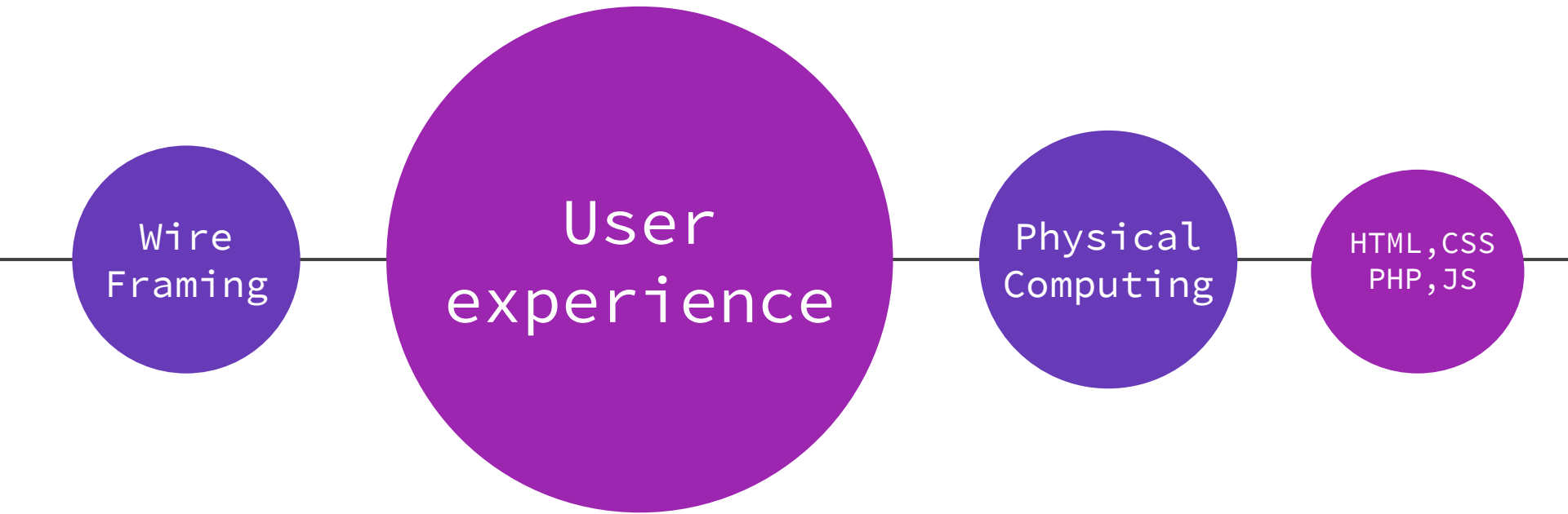
Philip Nagel

Nikita Patel

Statement:

This application's purpose is to create a classroom testing tool. As a template we used a Blackboard as a mock up. We created a Login Page, Test Bank, and Professor Page.

Design Plan Used:



Students:

Server: localhost » Database: Software Engineering » Table: Student

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

✓ Showing rows 0 - 5 (6 total, Query took 0.0018 seconds.)

`SELECT * FROM `Student``

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				UID	Full Name	Email	Password
<input type="checkbox"/>	Edit	Copy	Delete	1	Carlington Bowley	cbowley@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	2	Anik Das	adas@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	3	Kishon G	kg@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	4	Nikita Patel	npatel@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	5	Pete Ratman	pratman@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	6	Philip Nagel	pnagel@albany.edu	dc647eb65e6711e155375218212b3964

☐ Check all | With selected: Edit Copy Delete Export

Student Table

- Stores the login credentials of the student
- Contains a primary key called UID, a full name, an email, and an encrypted password

Professors:

Server: localhost » Database: Software Engineering » Table: Teacher

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 1 (2 total, Query took 0.0012 seconds.)

```
SELECT * FROM `Teacher`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				UID	Full_Name	Email	Password
<input type="checkbox"/>	Edit	Copy	Delete	1	Jefferson Yates	jyates@albany.edu	dc647eb65e6711e155375218212b3964
<input type="checkbox"/>	Edit	Copy	Delete	2	John Smith	jsmith@albany.edu	dc647eb65e6711e155375218212b3964

☐ Check all | With selected: Edit Copy Delete Export

Professor Table

- Stores the login credentials of the teacher
- Contains a primary key called UID, a full name, an email, and an encrypted password

Tests:

Server: localhost » Database: Software Engineering » Table: Test

Showing rows 0 - 1 (2 total, Query took 0.0011 seconds.)

```
SELECT * FROM `Test`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	TID	Test_Name
<input type="checkbox"/> Edit Copy Delete	1	Chapter 1 & 2
<input type="checkbox"/> Edit Copy Delete	2	Chapter 3 & 4

☐ Check all | With selected: Edit Copy Delete Export

Test Table

- Contains a primary key called TID, and a unique test name

Questions:

The screenshot shows a database management interface with a top navigation bar containing tabs: Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. Below the navigation bar, a green status bar indicates "Showing rows 0 - 9 (10 total, Query took 0.0013 seconds.)". The SQL editor shows the query: `SELECT * FROM `Q&A``. Below the editor, there are controls for "Profiling", "Edit inline", "Edit", "Explain SQL", "Create PHP code", and "Refresh". Further down, there are controls for "Show all", "Number of rows" (set to 25), "Filter rows" (with a search box), and "Sort by key" (set to None). The main area displays a table with 10 rows. Each row has a checkbox, an "Edit" button, a "Copy" button, and a "Delete" button. The table columns are Q&A_ID, TID, Question, and Answer. The data rows are as follows:

	Q&A_ID	TID	Question	Answer
<input type="checkbox"/>	1	1	What is a bug?	Something you must squash
<input type="checkbox"/>	2	1	What is a sprint?	A period of time to complete coding tasks
<input type="checkbox"/>	3	1	What is an IDE?	It is where you write your code
<input type="checkbox"/>	4	1	Is the customer always right?	Not always
<input type="checkbox"/>	5	1	What is the best OOP language?	Java
<input type="checkbox"/>	6	1	Is HTML a programming language?	Absolutely not
<input type="checkbox"/>	7	2	Is the professor always right?	Yes
<input type="checkbox"/>	8	2	You should allow customers to constantly change th...	False
<input type="checkbox"/>	9	22	Why is it important to double check your code?	To see if there are any bugs
<input type="checkbox"/>	10	2	A product backlog be ordered in priority	Yes

At the bottom, there are controls for "Check all", "With selected:" (with buttons for Edit, Copy, Delete, and Export).

Q&A Table

- Contains a primary key called Q&A_ID, a foreign key called TID that links the question to the test it belongs to, a question, and an answer

Sprint Plan:

The screenshot shows a Trello board titled "6543-App" in a Mozilla Firefox browser. The board is organized into five columns: "Getting Setup", "Backlog", "Current Sprint 4", "Sprint 3", and "Sprint 2". The "Getting Setup" column contains cards for "Slack account", "Trello account", and "GitHub account". The "Backlog" column has a card for "User accounts: Admin/student". The "Current Sprint 4" column lists tasks like "ser: devise a scheme for user account info...", "File import", "CSS styling", and "Bugs and Functionality checking". The "Sprint 3" column includes "Login", "ser: devise a scheme for user account info...", "File import", "CSS styling", and "First pass functional mock-up". The "Sprint 2" column shows "DB UML" and "Q/A Bank". A member named "Peter Dupigny" is listed on the right. The browser's address bar shows the URL "https://trello.com/b/E8SJmXmi/6543-app".

Activities Firefox Web Browser Wed 16:38

6543-App | Trello - Mozilla Firefox

https://trello.com/b/E8SJmXmi/6543-app

Boards New stuff!

6543-App Personal Private PR AD C KG NP Invite Show Menu

Getting Setup

This link is to a monday.com product backlog for our App: <https://6543-app.monday.com>

Slack account 0/1

Trello account 0/1

GitHub account 0/1

+ Add another card

Backlog

"User accounts: Admin/student"

Reports

+ Add another card

Current Sprint 4

ser: devise a scheme for user account info..."

File import

CSS styling

Bugs and Functionality checking

+ Add another card

Sprint 3

Login

ser: devise a scheme for user account info..."

File import

CSS styling

First pass functional mock-up

+ Add another card

Sprint 2

DB UML AD P

Q/A Bank KG NP

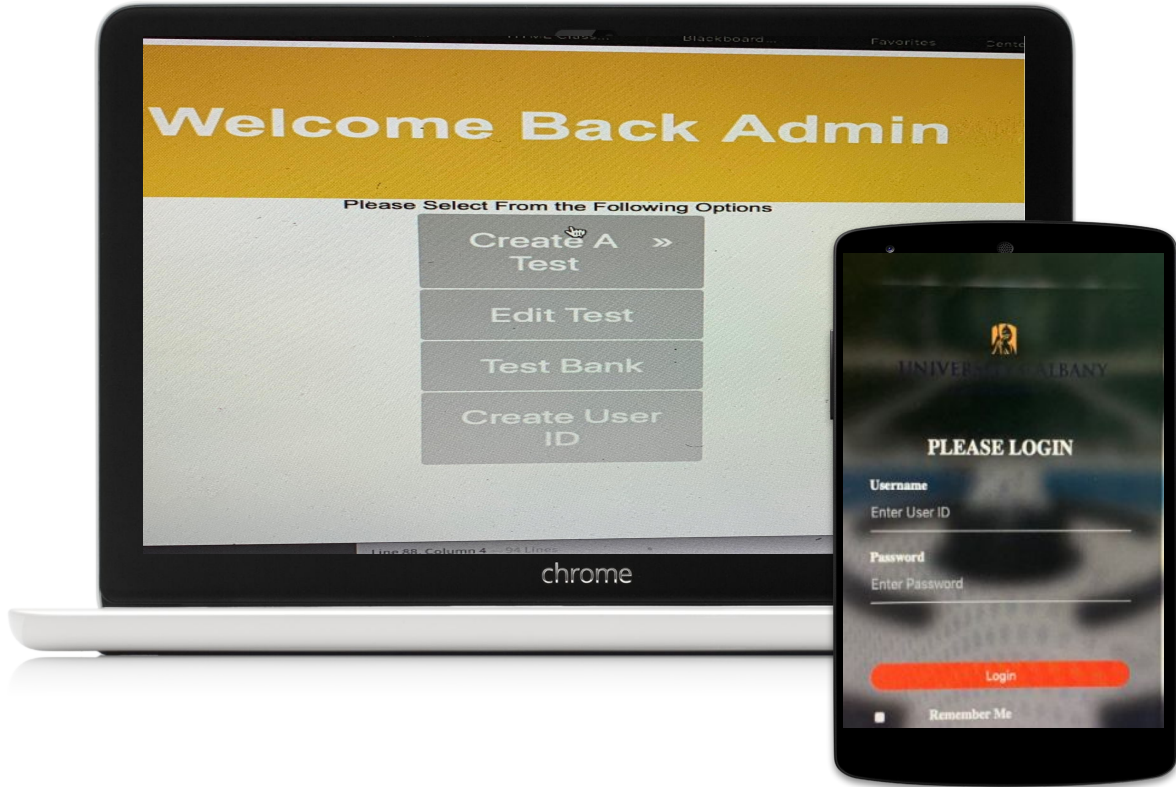
+ Add another card

Peter Dupigny

+ Add a card

HTML Pages:

With the use of HTML, we created the Login and Administration pages.





UNIVERSITY OF ALBANY

PLEASE LOGIN

Username

Enter User ID

Password

Enter Password

Login



Remember Me

Welcome Back Admin

Please Select From the Following Options

Create A »
Test

Edit Test

Test Bank

Create User
ID

Lessons Learned - What Could Have Been Done Differently:

— — —

- Start every task early
- Project plan task priority
- Generic technology for design development