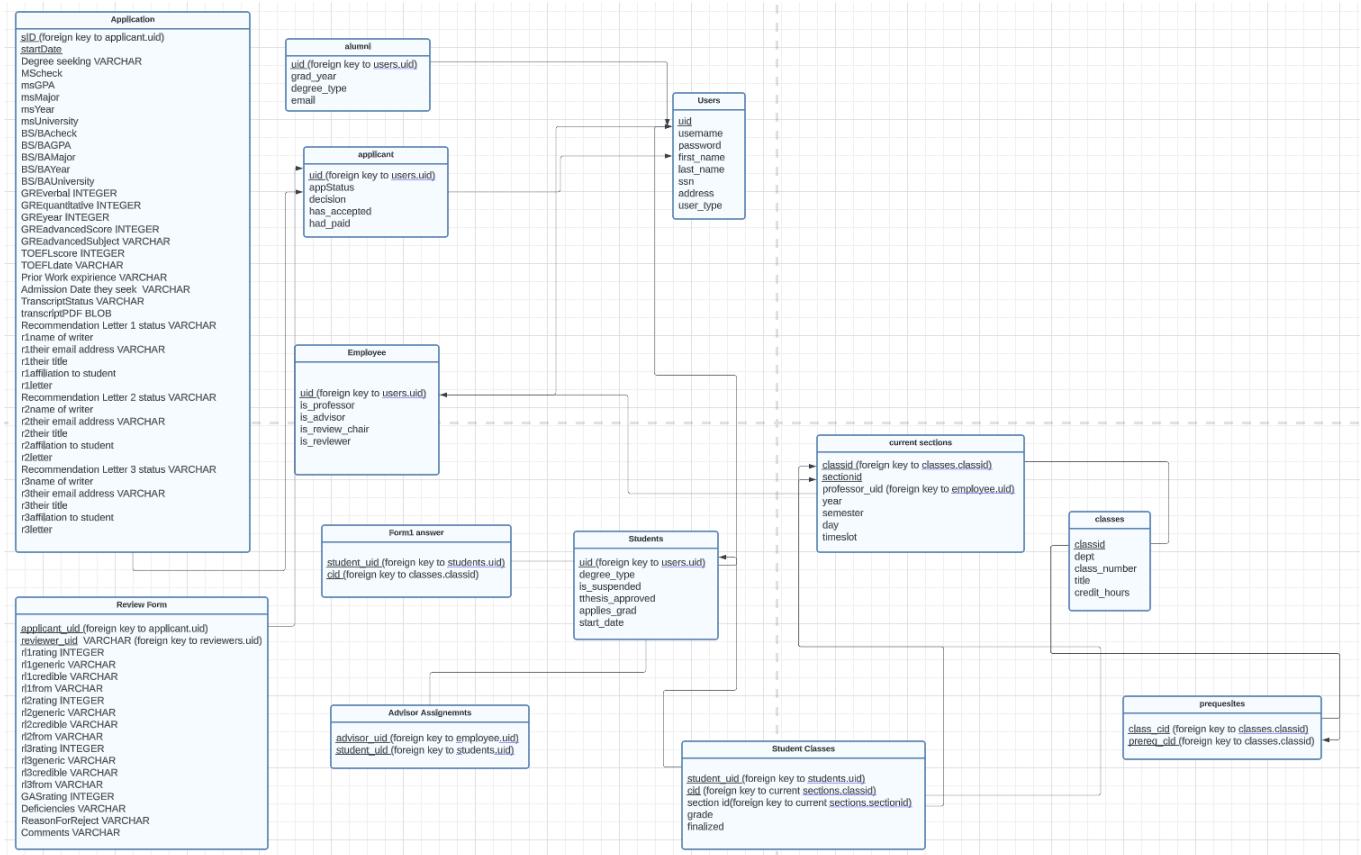


Phase 2 Report

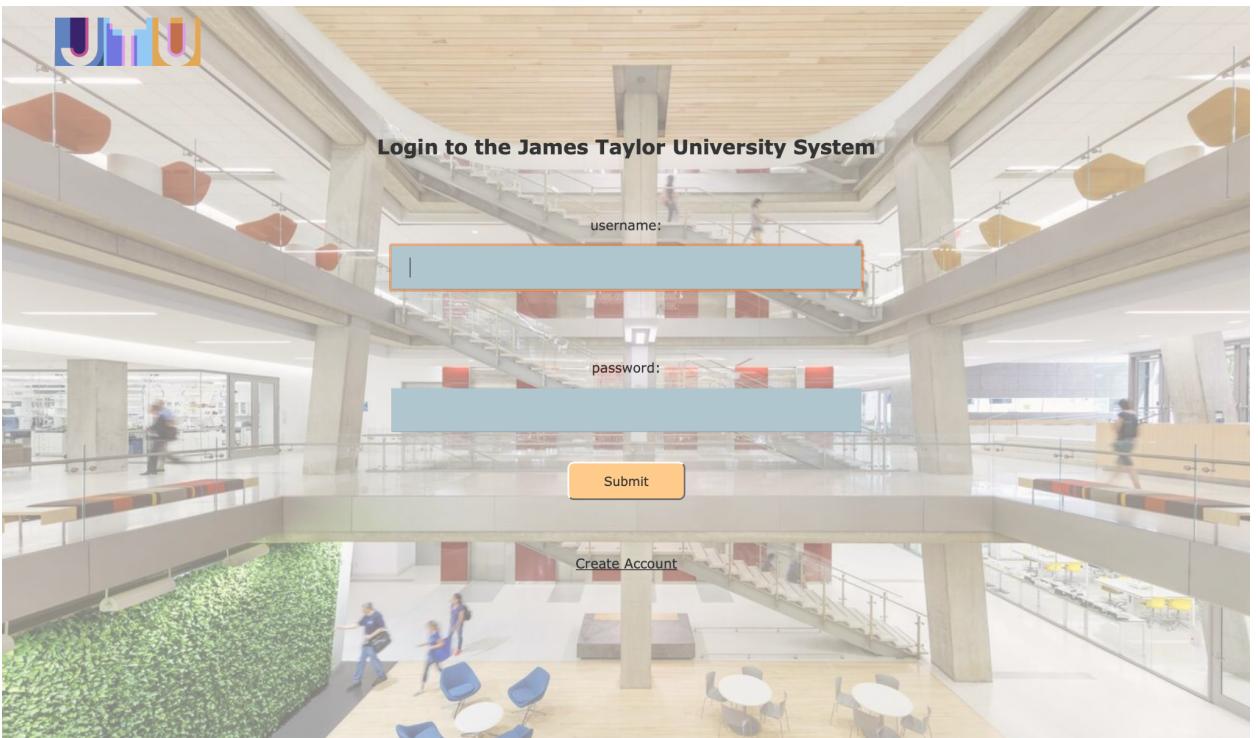
Team 3

Zack Rahbar, Mark Parrish, Sheila Garrity

An ER or SQL Table Diagram updated to reflect final design



Visual Overview



- Login Page

The image shows a screenshot of the James Taylor University System applicant status page. The page has a header with the university logo and the text "Welcome to the James Taylor University". Below the header is a "logout" link. The main content area displays a welcome message "Welcome, John Lennon" and a university ID "universityID: 12312312". At the bottom, there is a row of six status boxes:

Application Status	Rec Letter 1 Status	Rec letter 2 Status	Rec Letter 3 Status	Transcript Status	Final Decision
Application Under Review	Received			Received	Pending

- Applicant viewing their status



Welcome to the James Taylor University

[logout](#)

Welcome, Mark Parrish

universityID: 00000003

Search For Applicants

Search For Applicants

Student ID: 12312312
Name: John Lennon

Status: Application Under Review
Update Status:

Decision: Pending
Update Decision:

Student ID: 66666666
Name: Ringo Starr

Status: Application Incomplete
Update Status:

Decision: Pending
Update Decision:

- Graduate secretary looking at all applicants



Welcome to the James Taylor University

[logout](#)

Welcome, Sheila Garrity

universityID: 00000004

Applicants:

Search For Applicants

Search For Applicants

Their average score (0 = reject, 1 = admit, 2 = admit with aid): 0

* Update Decision:

- Admissions chair looking at applicants currently under review



Welcome to the James Taylor University

[logout](#)

Welcome, Mark Parrish

universityID: 00000003

[View Enrolled Students](#)

[View Applicants](#)

[View Alumni](#)

[View Advisors](#)

Graduate secretary landing page



Welcome to the James Taylor University

[logout](#)

Welcome, Graduate Secretary!

All Students

UID	First Name	Last Name	Profile
00000007	Ringo	Starr2	View Profile
55555555	Paul	McCartney	View Profile
66666667	George	Harrison	View Profile
88888888	Billie	Holiday	View Profile
99999999	Diana	Krall	View Profile

Graduate secretary student list



Welcome to the James Taylor University

[logout](#)

Form 1

Select with yes or no with classes you plan to take

CSCI 6221 (required course for MS)

- Yes
 No

CSCI 6461 (required course for MS)

- Yes
 No

CSCI 6212 (required course for MS)

- Yes
 No

CSCI 6220

Form 1 submission page for students

Welcome to the James Taylor University

[logout](#)

Welcome, Eric Clapton

University ID: 77777777

Personal Information

Last Name: Clapton

First Name: Eric

Address: Ripley, UK

Submit

[View Transcript](#)

Alumni home page

Welcome to the James Taylor University

[logout](#)

Welcome Sysadmin

Lookup Users and Edit Info:

UID	Username	First Name	Last Name	SSN	Address	User Type	Misc	Submit Changes	Delete User
00000000	sysadmin	SYS 	ADMIN	000-00-0000	James Taylor Univ	sysadmin		<input type="button" value="Submit"/>	<input type="button" value="Delete"/>
77777777	eclapton	Eric	Clapton	013-14-0015	Ripley, UK	alumni		<input type="button" value="Submit"/>	<input type="button" value="Delete"/>
66666666	rstarr	Ringo	Starr	222-11-1111	In the Sky with Dia	applicant		<input type="button" value="Submit"/>	<input type="button" value="Delete"/>
00000001	bnarhari	Bhaginarith	Narahari	003-04-0005	The SEAS CS Depa	employee	<input checked="" type="checkbox"/> Professor <input checked="" type="checkbox"/> Reviewer <input type="checkbox"/> Chair <input checked="" type="checkbox"/> Advisor	<input type="button" value="Submit"/>	<input type="button" value="Delete"/>
00000008	gparmer	Gabriel	Parmer	015-16-0017	The SEAS CS Depa	employee	<input type="checkbox"/> Professor <input type="checkbox"/> Reviewer <input checked="" type="checkbox"/> Chair <input checked="" type="checkbox"/> Advisor <input type="checkbox"/> Professor	<input type="button" value="Submit"/>	<input type="button" value="Delete"/>

Sysadmin portal

Welcome to the James Taylor University

[logout](#)

Welcome Bhaginarith Narahari

Choose a semester:

1 2023

Schedule for semester:

spring 2023	Monday	Tuesday	Wednesday	Thursday	Friday
3-5:30pm	SW Paradigms class page	free period	Computer Architecture class page	free period	Cryptography class page
4-6:30pm	free period	free period	free period	free period	free period
6-8:30pm	Networks 1 class page	Cryptography class page	free period	Networks 2 class page	free period

First Name:

Last Name:

Current address:

Password:

University ID: 00000001

Professor home page

[logout](#)

Time of Class: 3-5:30pm	Day of Class: T	Semester: spring 2023		
Class Name: Computer Architecture	Class number: 6461	Section ID: 2023-1-2-1		
Teacher: Bhaginirath Narahari				
Students:				
First Name	Last Name	University_ID	Link to Transcript	Grade
Ringo	Starr2	00000007	View Enrollment Information	A
Paul	McCartney	55555555	View Enrollment Information	A
George	Harrison	66666667	View Enrollment Information	B
Billie	Holiday	88888888	View Enrollment Information	C

Class page (professor)

Design Justification

Our biggest thing to connect is the landing pages for the employees and for the graduate secretary. These types of users can perform so many functions from all three components, and we decided that putting all of that onto one page would not be aesthetically pleasing or useful to that type of user. So, for the graduate secretary and employees, we created landing pages that have links that take them to different pages to perform specific functions. For example, the graduate secretary has functions and queries it performs on applicants, but also separate functions and queries it performs on students. To have all of this functionally on one page is very busy to look at and unnecessary, so when you log in as the graduate secretary, there are two buttons, one that takes you to a page with all of the forms and functionalities around current students, and one that takes you to a page with all of the forms and functionalities around current applicants. This to us made our system feel more like a real website, where information is spread out and not all condensed onto one page. For connecting our components in other places, since we left our sql tables relatively close to how they were in phase 1, it was a lot about just moving data from table to table. For example, when an applicant accepts their matriculation into our university, we move their data from the applicants table to the students table.

Another focus of our team was making sure data was inserted, updated, and removed correctly from tables to ensure that each group member was able to access all of the data they needed to. For example, when an applicant is enrolled at the university, they are removed from the 'applicant' table inserted into the 'students' table. When they graduate, they are removed from the 'students' table and inserted into the 'alumni' table. So, although the APPS section of the database doesn't directly interact with the 'alumni' table, the way they insert data from

'applicant' to 'students' impacts how that data can eventually be inserted into 'alumni'. As a result, we had to be careful to insert, update, and remove the correct data at the correct time in order to not impact another aspect of the project.

- Assumptions:
 - The system administrator can make all types of users, but the only user that can make their own account is an applicant. This is based on our real world experiences (we had to make our own accounts to apply to GW, and at internships on our first days we were given accounts already set up).
 - To further enforce uniqueness in our users table (even though since uid is our primary key it can't be the same in two rows) we made generation of the university ID random instead of from the user, because how is the user supposed to know everyone else's ID number to not pick one of them.
 - Application form is final. This is based on real world experience (the commonApp used to apply to GW is final once submitted)
 - This may contradict some parts of the spec but we were told by TAs that this was an okay assumption to make.

Special Features

- Recommender user type
 - To submit a recommendation letter for a student, a recommender is given a login via email where they can fill out a form for the applicant they are recommending.
- Instead of the graduate secretary just being able to view students that fall into a certain category (by degree or admit semester/year), they have the ability to view each of their profiles from this search to have easier access to their information. This makes it more user-friendly for the graduate secretary, as they don't have to go back to the 'enrolled students' page to gain access to a specific student's profile.
- Professor is able to view student transcripts through their class pages (limiting the transcript access to only their students) as outlined as an extra feature in the project specification

Work Breakdown

- Zack
 - Integrate APPS with other components
 - APPs phase 2 updates
 - Implement a button to upload transcript pdf in both application and graduate secretary
 - Make a customized email to send to recommenders
 - Recommander login and form to submit letter
 - Functionality for multiple reviewers
 - Clean up form design
 - Fix form validation
 - Average review scores available to the chair

- Accepted student can pay deposit and matriculate
- Queries and reports relating to APPS
 - Search bar on graduate secretary and faculty reviewer homepage
 - Applicants can update their personal information
 - Given a starting semester or a degree program, generate a list of applicants, admits, or stats
- Mark
 - SQL
 - Designed integrated schema
 - Developed create.sql and reset.sql to project spec
 - Managed database throughout development
 - REGS
 - Integrated all REGS features
 - Added additional transcript viewing ability to professor
 - Designed and implemented the sysadmin portal with integrated functionality
 - Fixed REGS errors from phase1
 - Overall
 - Applicant registration page
 - Updated various ADS snippets to integrate my code
 - Design input
 - Bugtesting
 - Logo design
- Sheila
 - Integrate ADS with other components
 - Update ADS for phase 2
 - Modify code to fit new SQL schema
 - Allow graduate secretary to sort students by admit semester/year and degree program
 - Allow graduate secretary to sort by all students approved for graduation
 - Fix GPA calculation for students
 - Fix advisor so all advisees are listed
 - Changed workflow of assigning a student to an advisor
 - Queries and reports relating to ADS
 - Generate lists based on semester/year and degree program for all students cleared for graduation
 - Generate lists based on graduation year and degree program for all alumni
 - Generate list of all advisees for each faculty advisor
- All group members
 - Landing page for graduate secretary
 - Landing page for employee
 - Merge SQL schemas
 - Styling

- URL protection
- Login Page