CIS 330 – Systems Analysis and Design
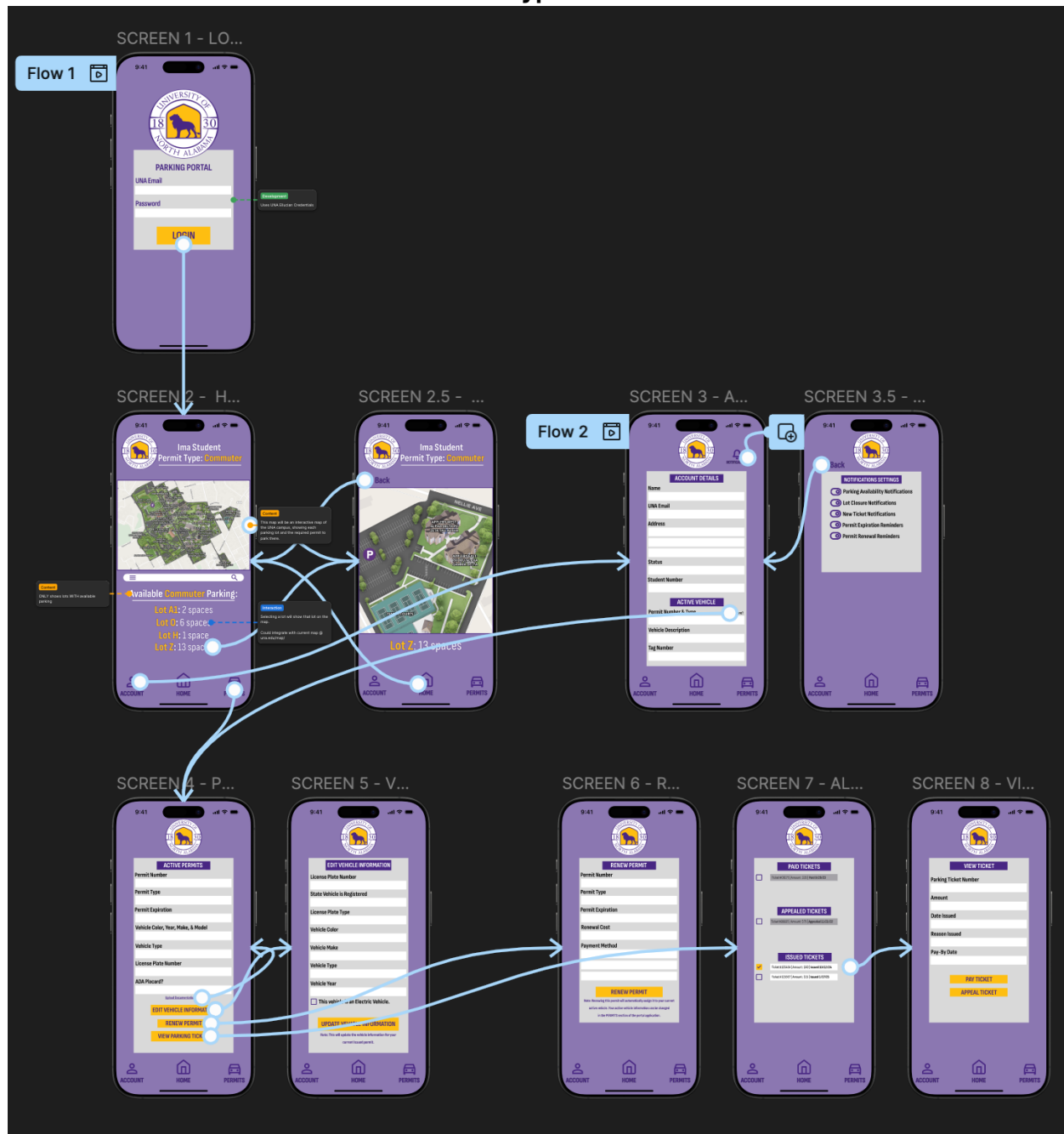**Dr. Ron Davis**
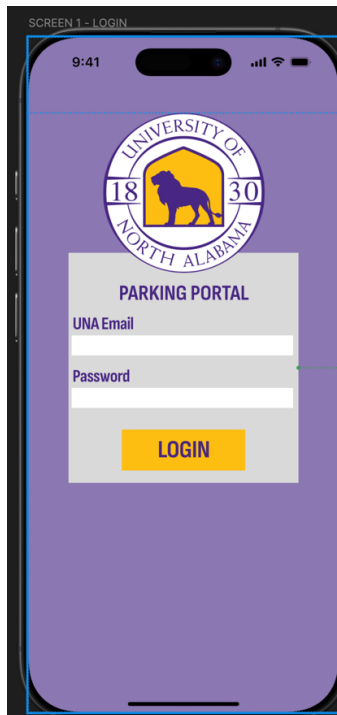**Group Project Deliverable #4: System Prototype**
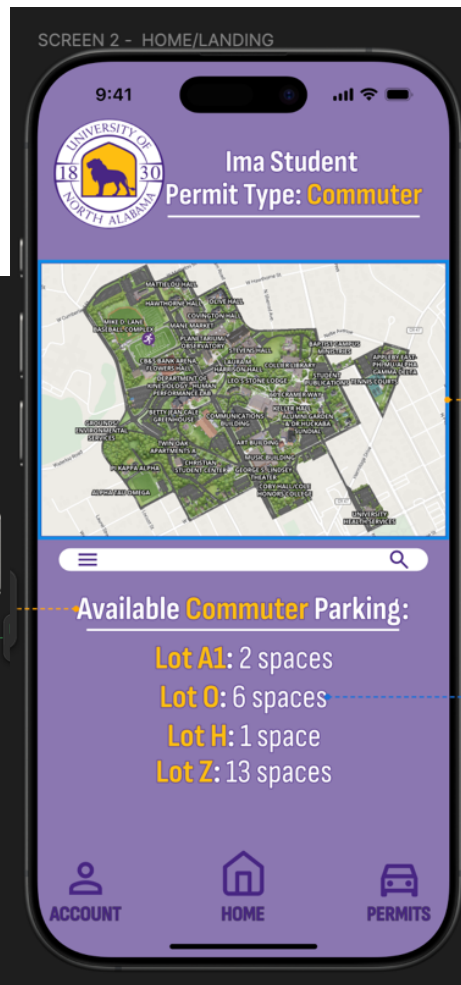**April 21st, 2025**
Bailee Strait, Jace Calvert, Poppy Dalton, Alex Copeland

Prototype Flow

PARKING PORTAL

UNA Email

Password

LOGIN

Ima Student
Permit Type: Commuter

Available Commuter Parking:

Lot A1: 2 spaces
Lot O: 6 spaces
Lot H: 1 space
Lot Z: 13 spaces

ACCOUNT   HOME   PERMITS

← Back

Ima Student
Permit Type: Commuter

Lot Z: 13 spaces

ACCOUNT   HOME   PERMITS

Login integrates with UNA Ellucian System for credentials.

Following login, users are met with a unique home/landing screen displaying their name and the type of permit held. There is an interactive map of campus along with a search bar to search for a specific location on campus. Below that, a list of available parking unique to the user's permit is displayed. At the bottom of the screen, a toolbar with buttons for accessing the user's account, permits, and returning to home are shown.
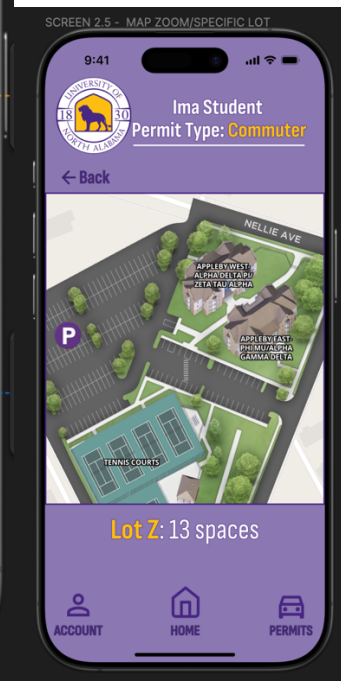
Users can select a parking lot name on the home/landing screen or search for a location/lot using the home/landing screen search bar to see its location on UNA's campus.

9:41

NOTIFICATIONS

ACCOUNT DETAILS

Name
Ima Student

UNA Email
istudent1@una.edu

Address
123 Living Street, Anywhere, AL 36530, USA

Status
Full-Time Student

Student Number
L001231234

ACTIVE VEHICLE

Permit Number & Type   See more?
S01234 - Commuter

Vehicle Description
2014 Jeep Grand Cherokee - Black

Tag Number
AL - A012340

ACCOUNT   HOME   PERMITS

9:41

← Back

NOTIFICATIONS SETTINGS
⊙ Parking Availability Notifications
⊙ Lot Closure Notifications
⊙ New Ticket Notifications
⊙ Permit Expiration Reminders
⊙ Permit Renewal Reminders

ACCOUNT   HOME   PERMITS

Selecting the Account button navigates the user to see all details for their account. From here they can use any button on the toolbar to navigate around the app, select the Notifications button to adjust notification preferences, or select "See more?" regarding their permit number to be automatically redirecting to the Permit screen.

9:41

ACTIVE PERMITS

Permit Number
S01234

Permit Type
Student - Commuter

Permit Expiration
08/01/2026

Vehicle Color, Year, Make, & Model
Black 2014 Jeep Grand Cherokee

Vehicle Type
SUV

License Plate Number
AL - A012340

ADA Placard?
No

Upload Documentation Here

EDIT VEHICLE INFORMATION

RENEW PERMIT

VIEW PARKING TICKETS

ACCOUNT   HOME   PERMITS
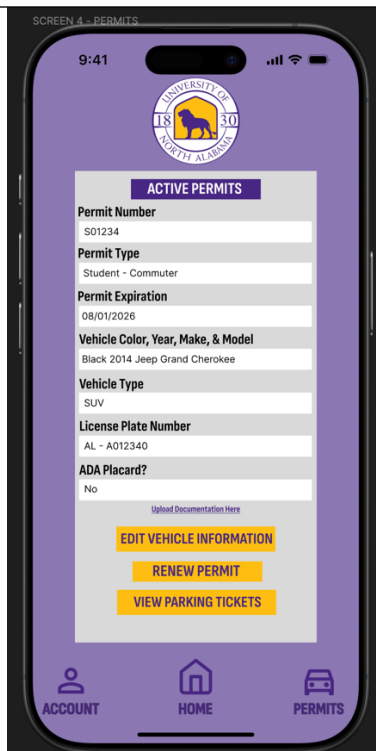
Navigating to the Permits screen will show the user's information regarding their active permit. The user can then use the toolbar buttons to navigate to other areas of the app. The button "Edit Vehicle Information" will redirect the user to a screen where they can update the vehicle information for their current issued permit. The button "Renew Permit" will redirect the user to a screen in which they can renew their issued permit. The button "View Parking Tickets" will redirect the user to a screen in which they can view past parking tickets and current issued parking tickets that need to be paid.

9:41

EDIT VEHICLE INFORMATION

License Plate Number
A012340

State Vehicle is Registered
Alabama

License Plate Type
Passenger

Vehicle Color
Black

Vehicle Make and Model
Jeep Grand Cherokee

Vehicle Type
SUV

Vehicle Year
2014

☐ **This vehicle is an Electric Vehicle.**

UPDATE VEHICLE INFORMATION

Note: This will update the vehicle information for your
current issued permit.

ACCOUNT   HOME   PERMITS

9:41

RENEW PERMIT

Permit Number
S01234

Permit Type
Student - Commuter

Permit Expiration
08/01/2026

Renewal Cost
$20

Payment Method
VISA Credit Exp. 04/28

xxxx xxxx xxxx x123

CVV: xxx

RENEW PERMIT

Note: Renewing this permit will automatically assign it to your current
active vehicle. Your active vehicle information can be changed
in the PERMITS section of the portal application.

ACCOUNT   HOME   PERMITS

402 × 874

The user can edit their vehicle information and update it for their currently issued permit.

The user can renew the issued permit on their account.

9:41

PAID TICKETS

☐ Ticket #00175 | Amount: $20 | Paid 8/28/23

APPEALED TICKETS

☐ Ticket #00025 | Amount: $75 | Appealed 11/21/22

ISSUED TICKETS

☑ Ticket #123456 | Amount: $50 | Issued 10/12/24   VIEW

☐ Ticket #123567 | Amount: $15 | Issued 1/17/25

ACCOUNT   HOME   PERMITS

9:41

VIEW TICKET

Parking Ticket Number
#123456

Amount
$50

Date Issued
10/12/24

Reason Issued
Parked in Staff parking lot.

Pay-By Date
12/01/24

PAY TICKET

APPEAL TICKET

ACCOUNT   HOME   PERMITS

The user can view the tickets for their account. This includes paid tickets, appealed tickets, and issued tickets.

For issued tickets, a user can view more information. They can pay the ticket or appeal the ticket if they disagree for the reason issued.