

# RaiderNAV

brought to you by

Team Getana

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# Understanding the problems

- 01 Students (especially freshmen) have trouble finding classes.
- 02 TTU campus is very large.
- 03 Class schedules only provide building names (sometimes as acronyms!)



## Current efforts

- 01 TTU has a static map on app and website
- 02 TTU has a touch-screen device in the Student Union Building

These efforts are not sufficient.



# Introducing RaiderNAV

01

- GPS navigation application for TTU students and visitors

02

- Easy to edit, delete, or save multiple schedules

03

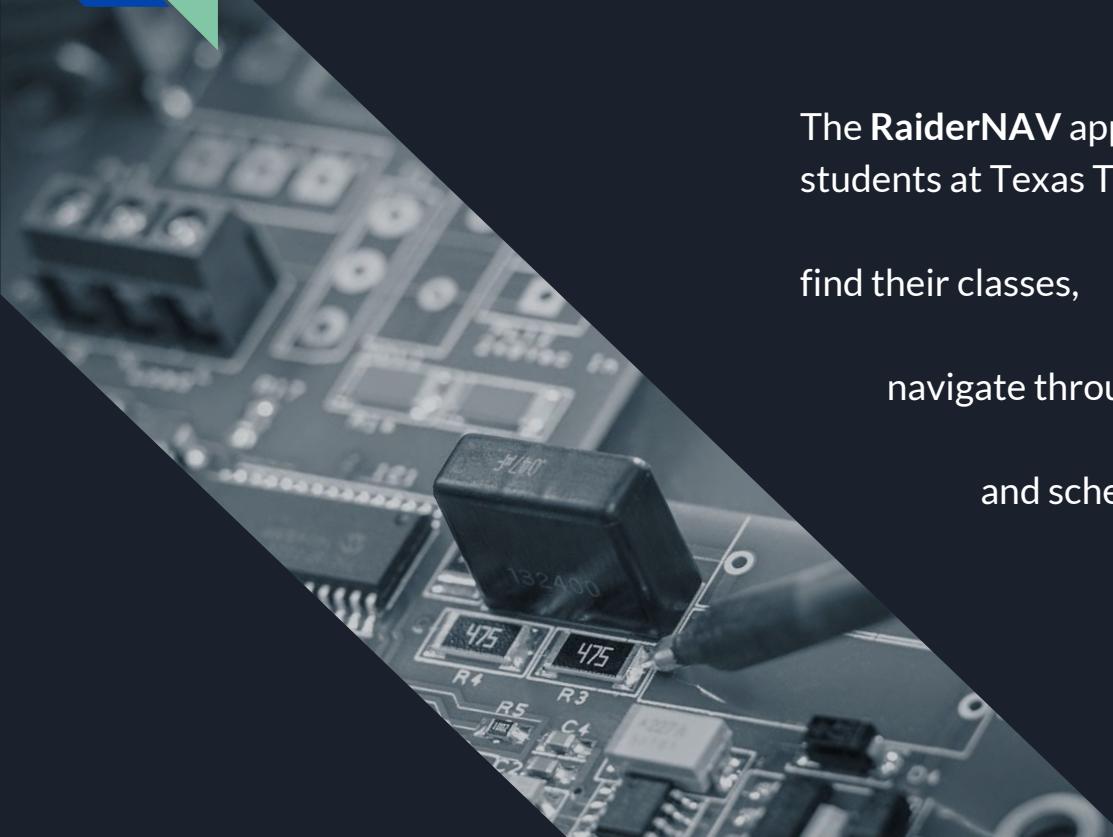
- Time conscious: schedules/travel time

04

- Support dynamic scheduling situations



# Project objective



The **RaiderNAV** app is intended to provide college students at Texas Tech University with a better way to

find their classes,

navigate through campus,

and schedule their day.



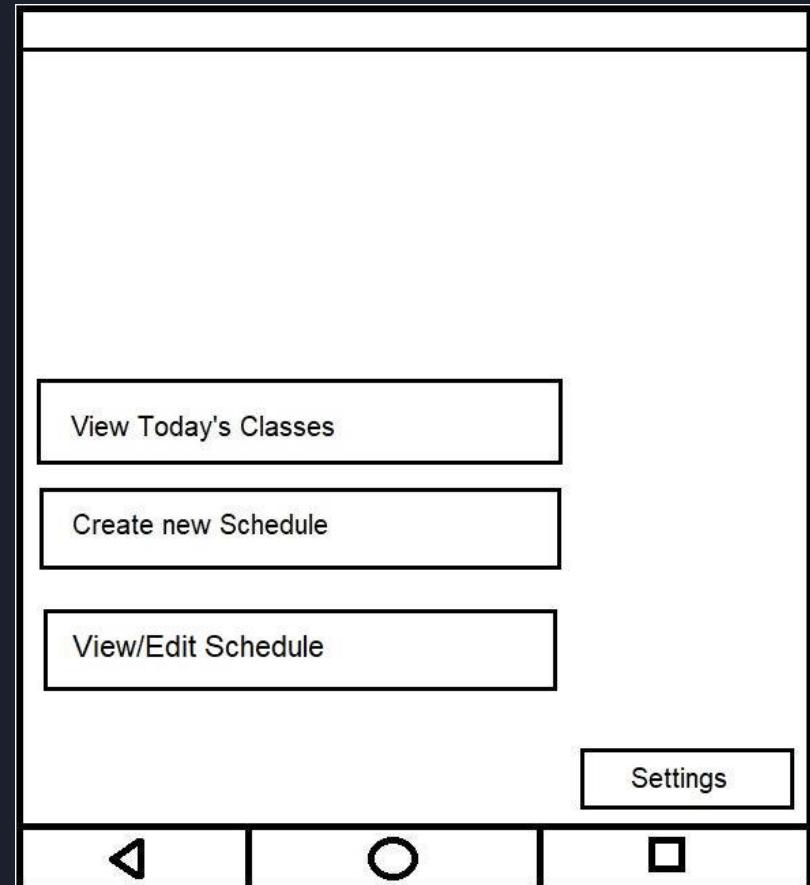
# Target audience

- Students at Texas Tech University
- Campus visitors



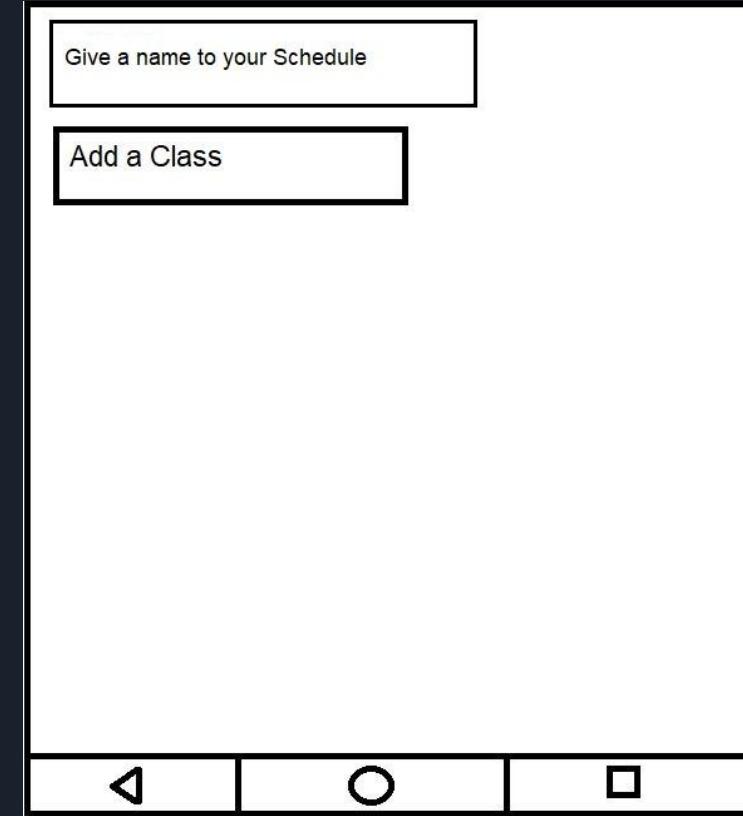
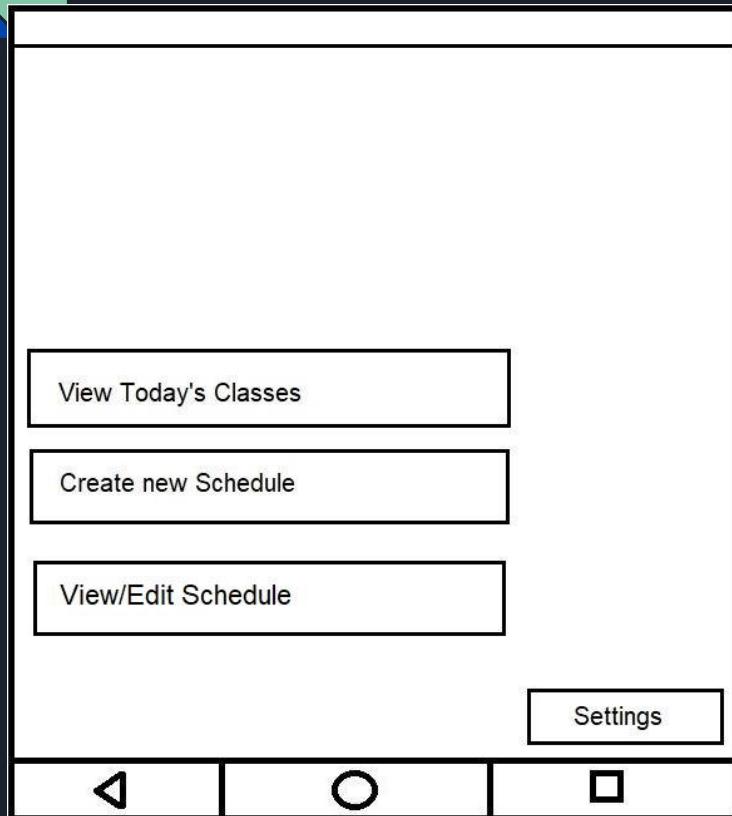


# Mockup





# Creating a Schedule



John's Monday Schedule

Enter Course Number

Enter Building Name

Start Time      Finish Time

Add Another Class to this schedule.

I am finished creating this schedule.

◀   ○   □

Enter the course  
classes and  
information

# Repeating the Schedule

John's Monday Schedule

Course Name	Location	Time
Math 3350	Mathematics	9am - 9:50am
English 1301	Holden Hall	10am - 10:50am
ECE 2350	Livermore Centre	12:30pm - 1:50pm

Set this schedule for:

Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input type="radio"/>						

Create and Save Schedule



John's Monday Schedule

Course Name	Location	Time
Math 3350	Mathematics	9am - 9:50am
English 1301	Holden Hall	10am - 10:50am
ECE 2350	Livermore Centre	12:30pm - 1:50pm

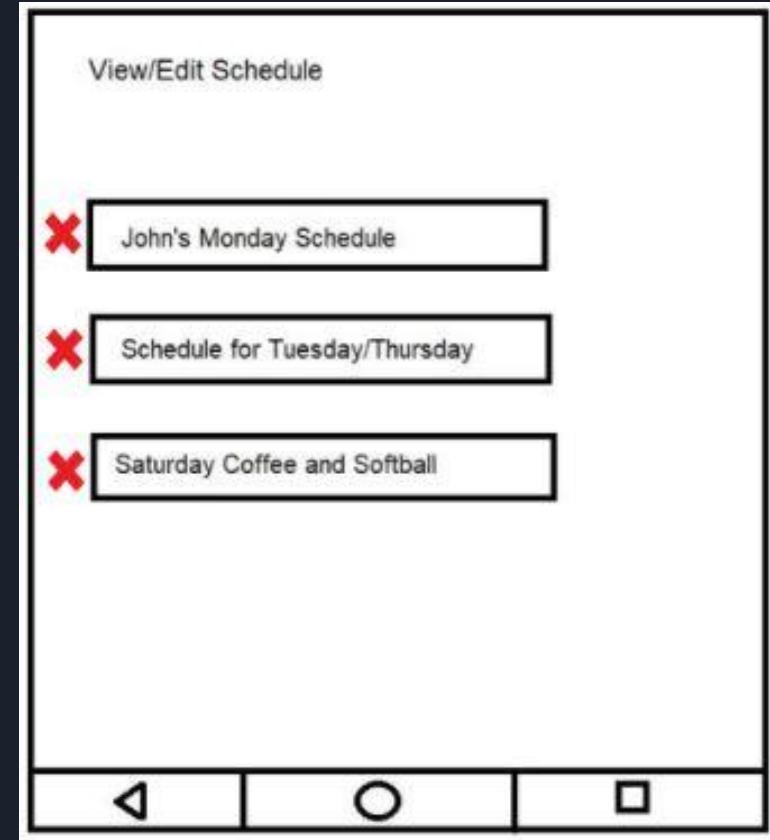
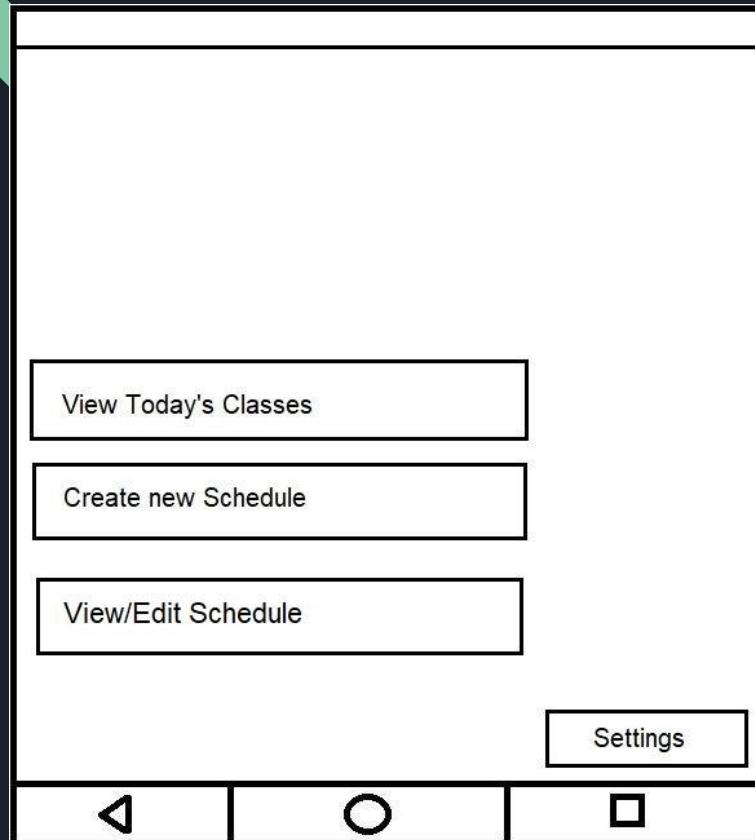
Set this schedule for:

Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Create and Save Schedule



# View/Edit Schedule



# Editing the Schedule

## Edit Schedule

### MWF Classes

	Location	Time
X English	English	8:00-9:00
X Calculus	Mcom	9:00-10:00
X Chemistry	Biol	1:00-2:00

SAVE



## Edit Schedule

### MWF Classes

	Location	Time
X English	English	8:00-9:00
X Calculus	Mcom	9:00-10:00
X Chem	AGR	1:00-2:00

AGR

Biology

Biology LH

Chem

More



## Edit Schedule

### MWF Classes

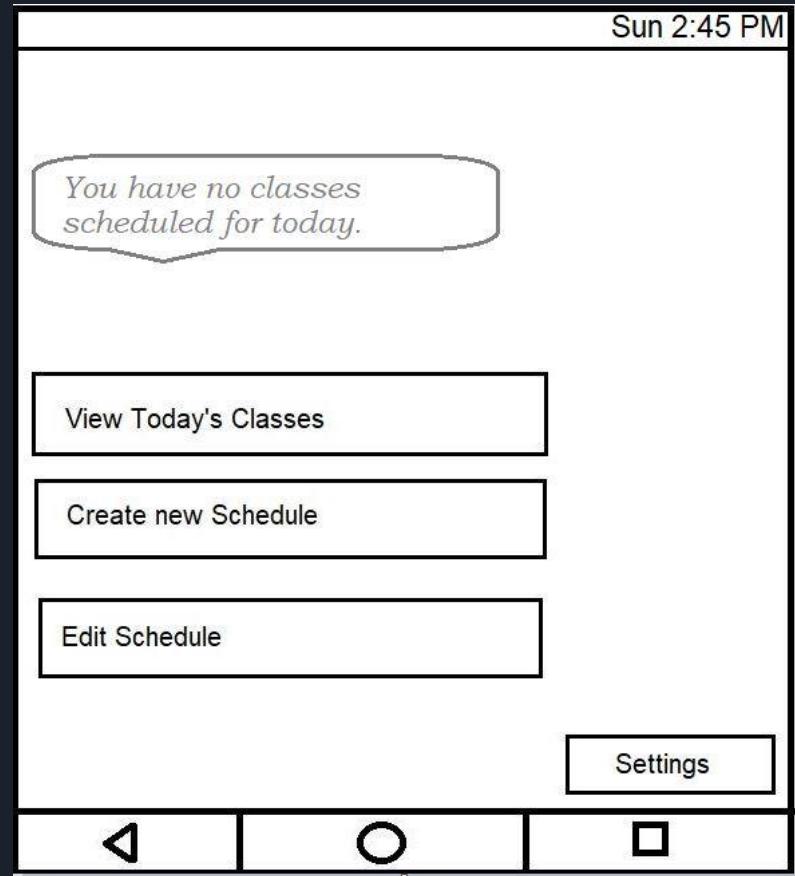
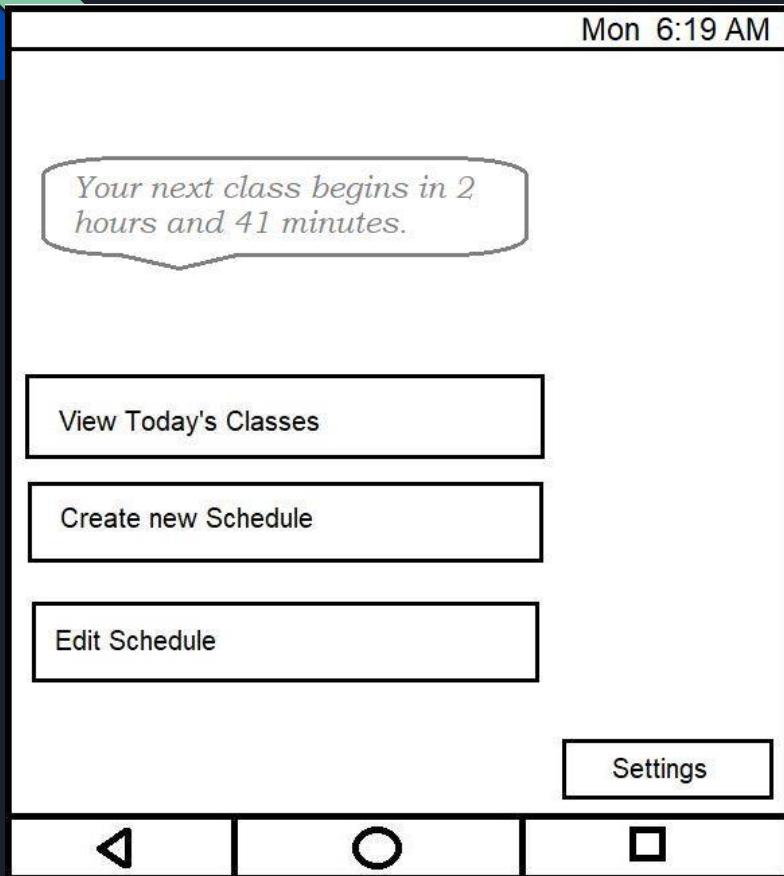
	Location	Time
X English	English	8:00-9:00
X Calculus	Mcom	9:00-10:00
X Chemistry	Biol	1:00-2:00

Start Time	1:00	End Time	2:00
	2:00		
	3:00		
	4:00		
	5:00		

SAVE

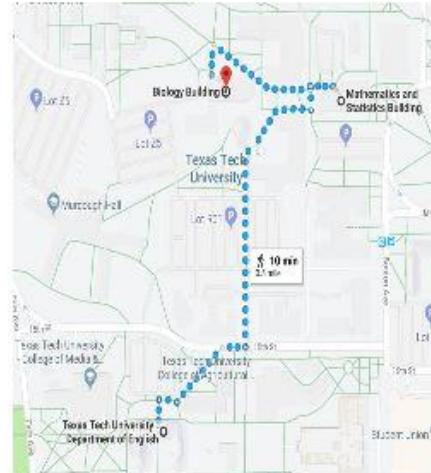


# Notifications

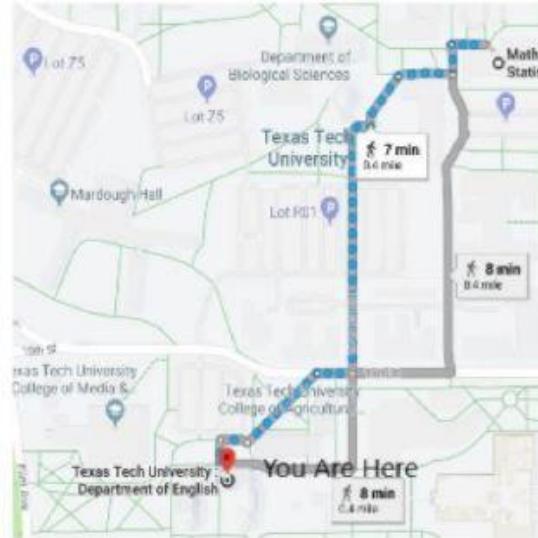


# Today's Schedule

## Today's Schedule



Start Route



Walk Straight for 0.2 miles

Recalculate





# Overview of similar apps

Google Maps

Texas Tech Mobile

My Class Schedule: Timetable





# Google Maps

- Standard in real-time GPS navigation
- Traffic condition information
- Public transportation
- Pit stops
- Discover nearby places
- Reviews and detailed business information
- Internet connection optional





# Google Maps (cont.)

- Not tailored to Texas Tech
- Students may not know addresses of buildings on schedule
- Students may not know names of the buildings on schedule
- Must tediously input destinations one by one
- Does not keep track of class times
- Does not keep student informed about danger of running late





# Texas Tech Mobile

- Keeps track of athletics schedules and scores
- Class registration status
- Directory search by first and last name
- Campus map
- List of events from the TTU calendar,
- News from TechAnnounce and the Daily Toreador
- Browse the library catalog





# Texas Tech Mobile (cont.)

- Has only a static map of the campus.

The student who must rely on the Texas Tech Mobile app to quickly find a building is **doomed to failure**.





# My Class Schedule: Timetable

- Class schedule in color-coded timetable
- Overview of grades
- Mutes phone during class hours
- Widget displays all remaining classes for the day
- Reminds students about upcoming homework and exams.





# My Class Schedule: Timetable (cont.)

- Not tailored to Texas Tech University
- Does not provide maps
- Cannot help lost students get to class on time





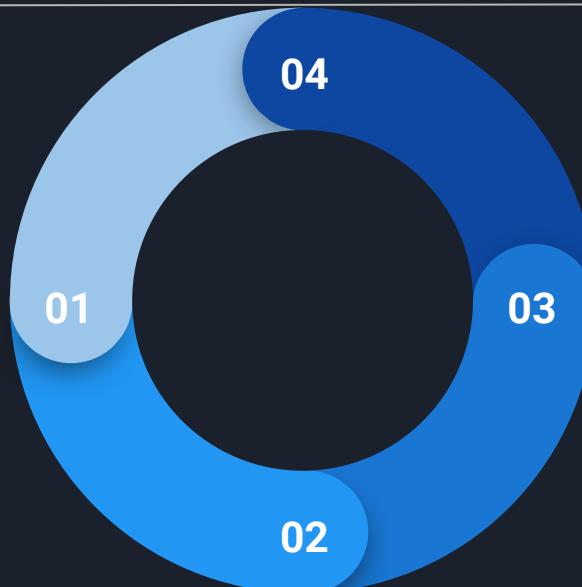
# Agile approach

Plan

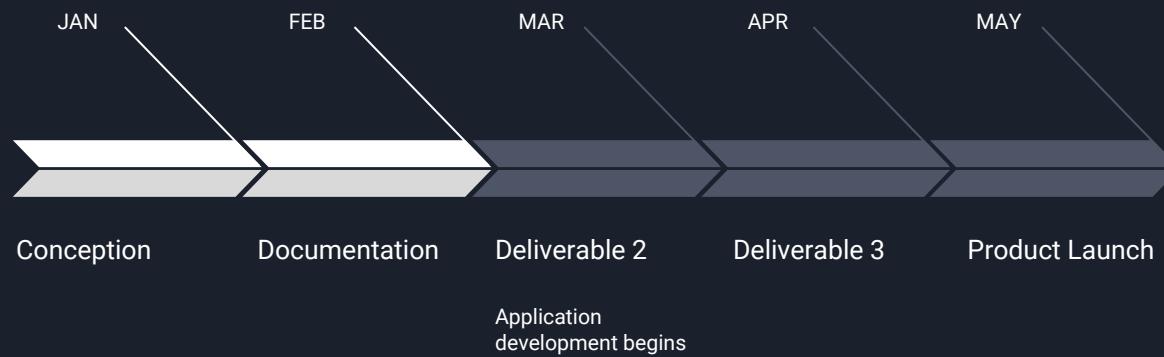
Develop and  
Integrate

Evaluate

Release



# Project timeline





# Thank you!

Any questions?

