

RaiderNAV

brought to you by

Team Getana

Arpit Desai, Brody Williams, Michael Acosta,
Vasilis Vloutis, Yong Wu

Table of Contents

Understanding the problems
Current efforts
Introducing RaiderNAV
Project objective
Target audience

Mockup
Overview of similar apps
Agile approach
Project timeline
Questions



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.

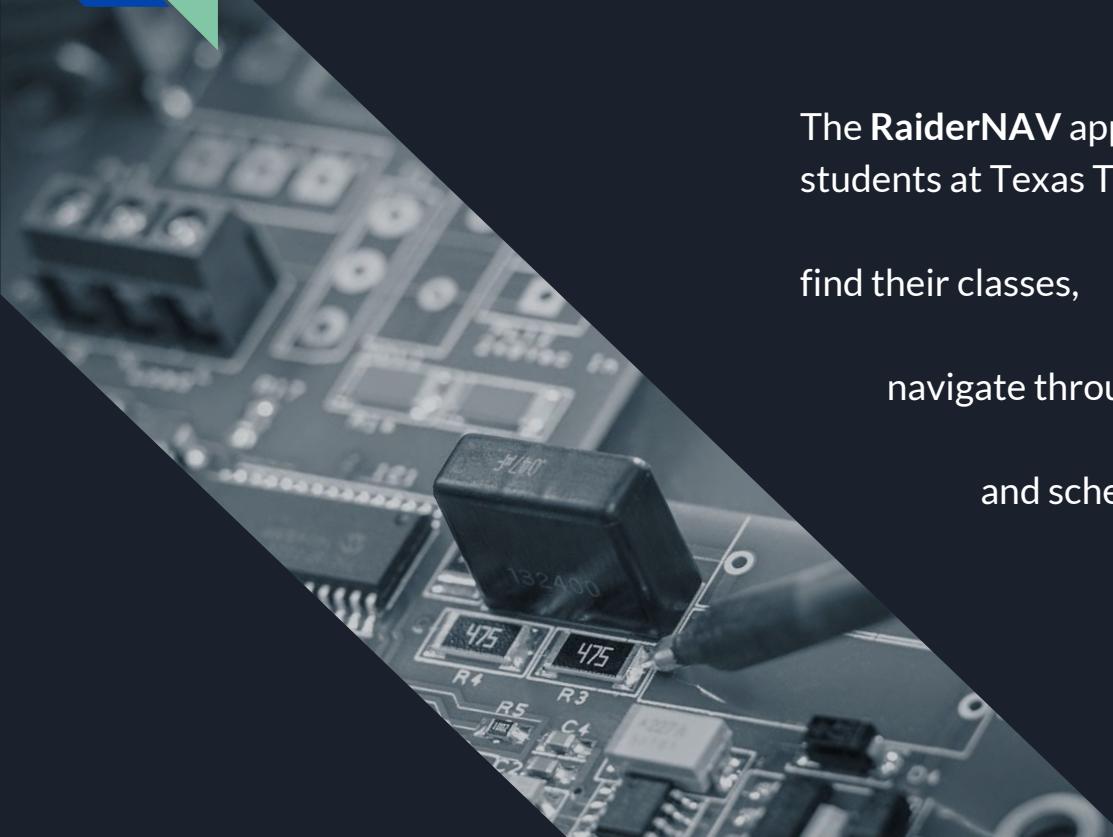


Introducing RaiderNAV

- 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.



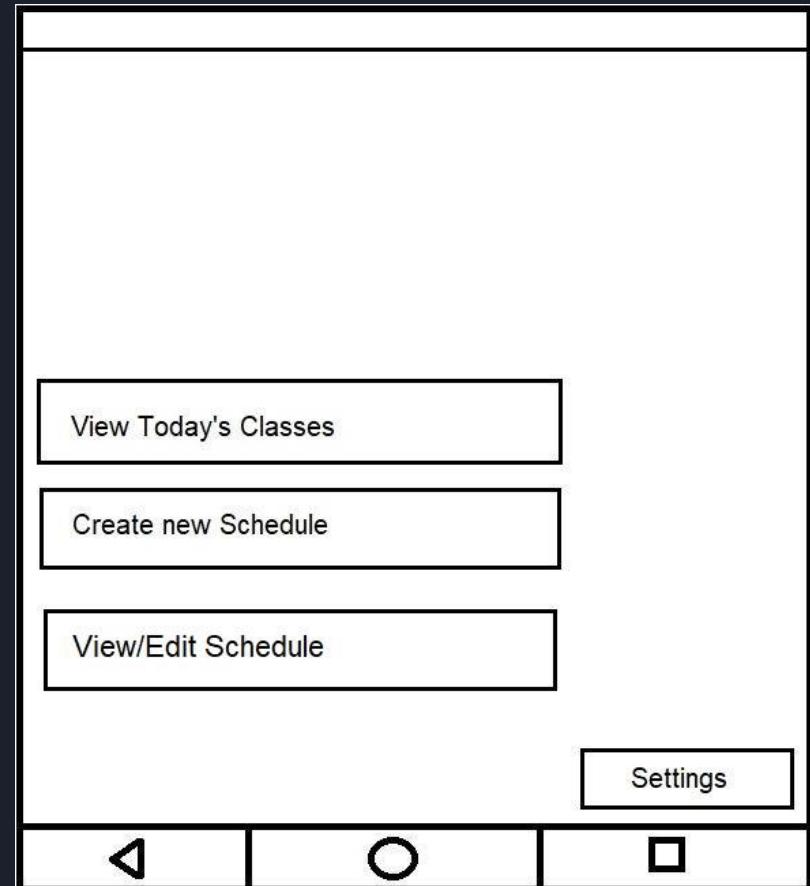
Target audience

- Students at Texas Tech University
- Campus visitors



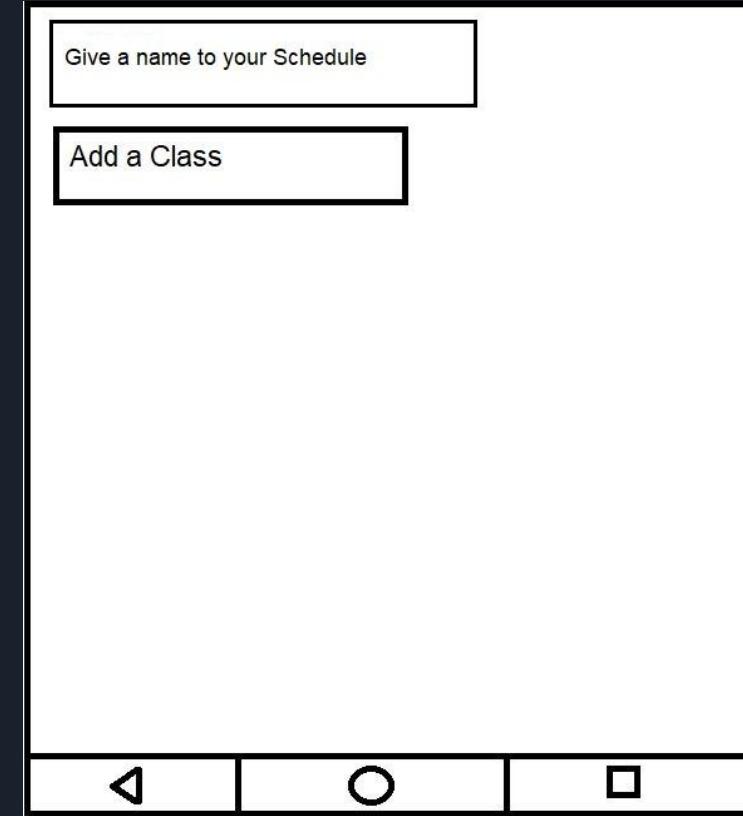
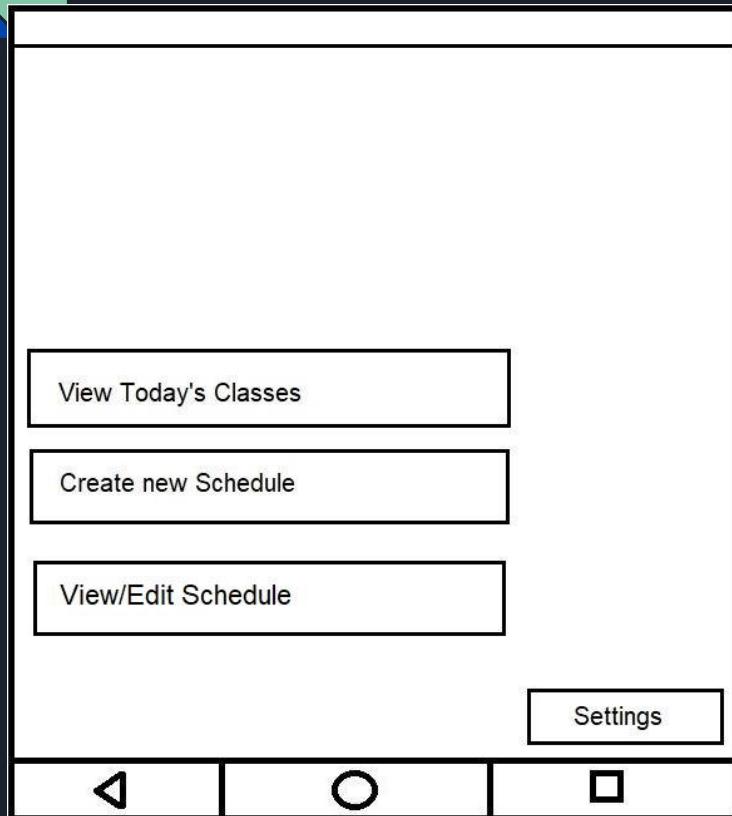


Mockup





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

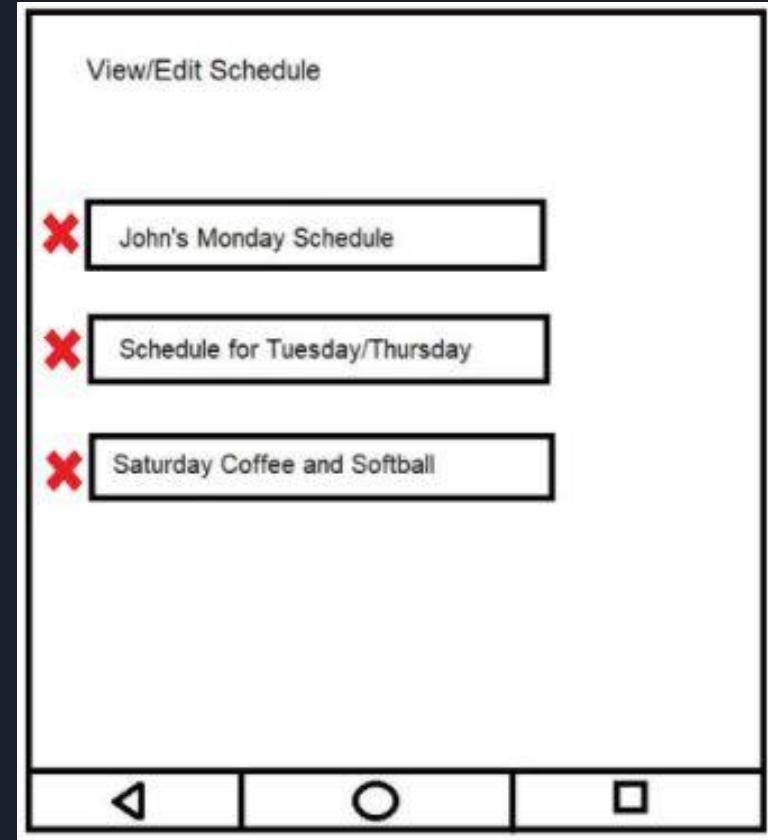
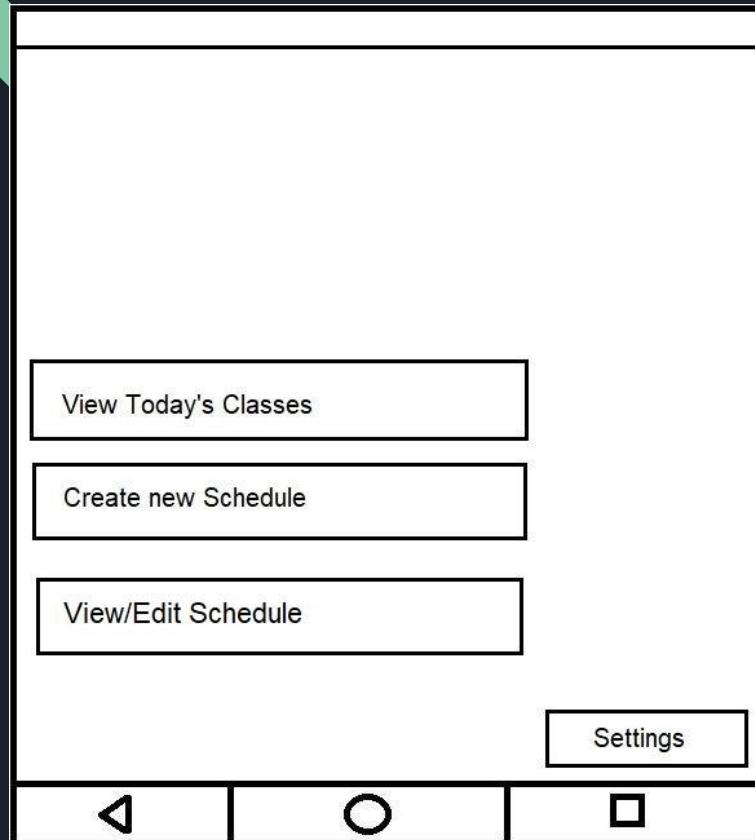
Set this schedule for:

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	▼ 8:00-9:00 ▼
X	Calculus	▼ Mcom ▼ 9:00-10:00 ▼
X	Che	AGR ▼ 1:00-2:00 ▼

AGR

Biology

Biology LH

Chem

More



Edit Schedule

MWF Classes

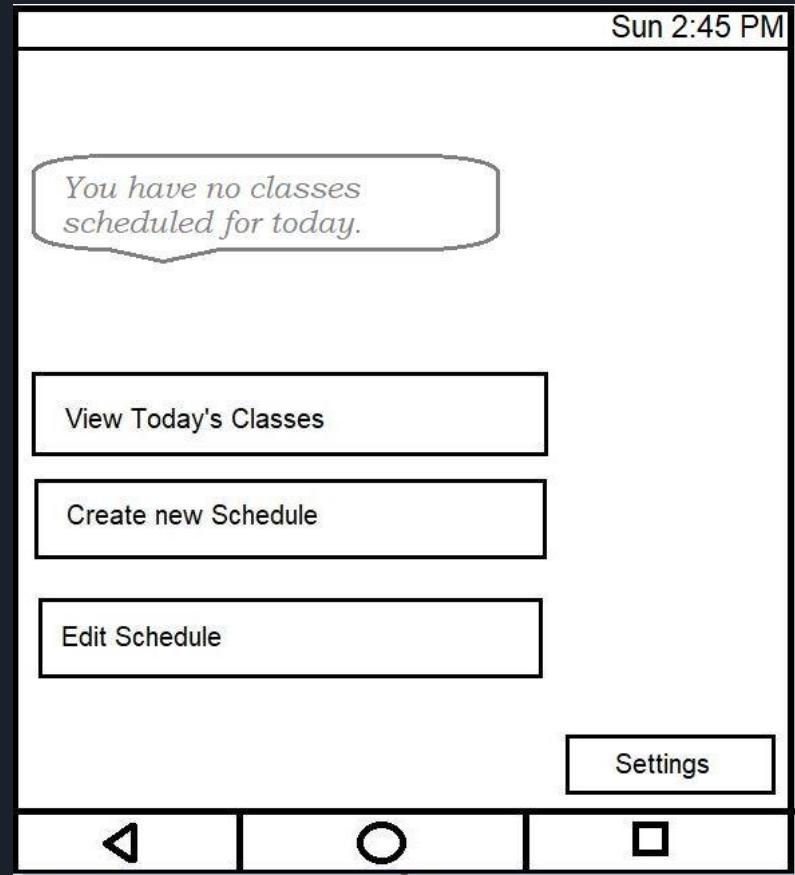
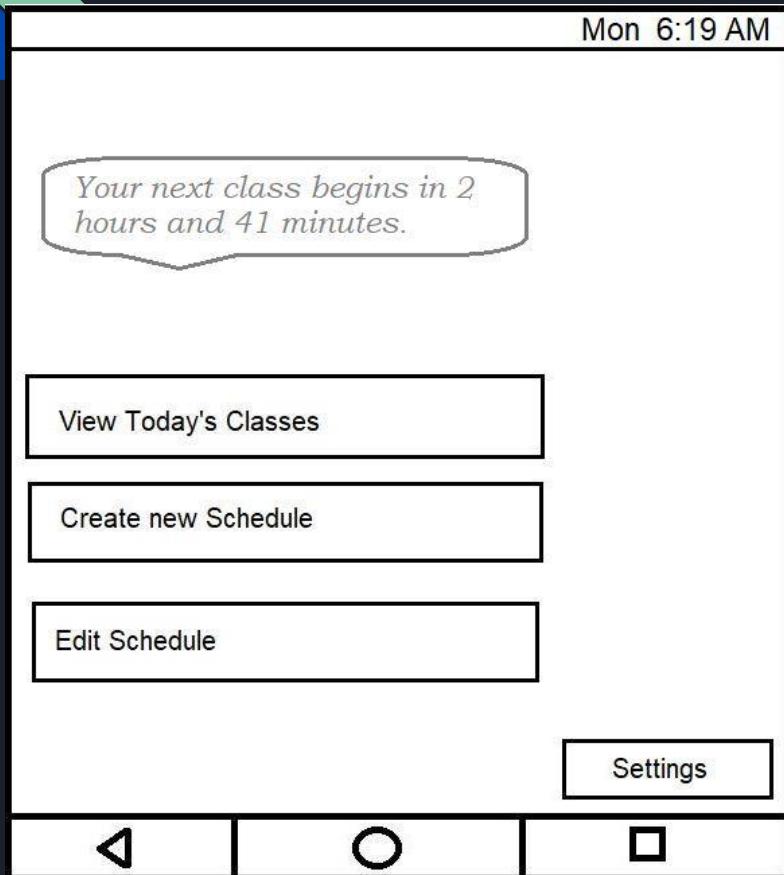
	Location	Time
X	English	▼ 8:00-9:00 ▼
X	Calculus	▼ Mcom ▼ 9:00-10:00 ▼
X	Chemistry	◀ Biol ▼ 1:00-2:00 ▼

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

SAVE

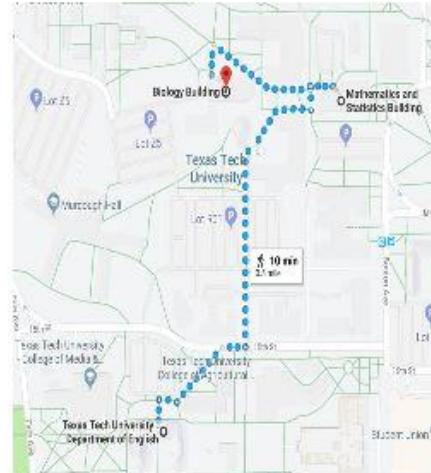


Notifications

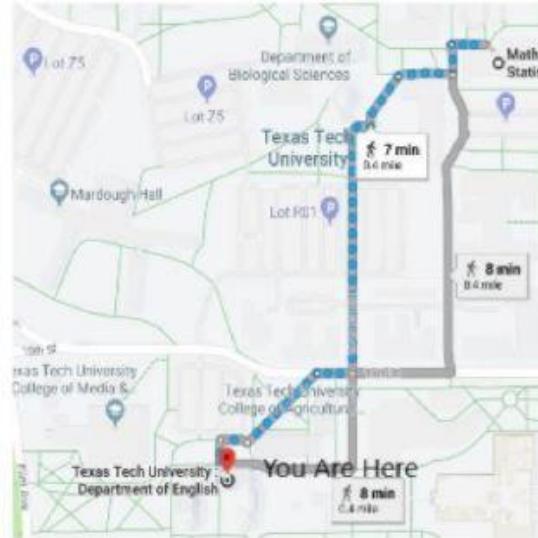


Today's Schedule

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





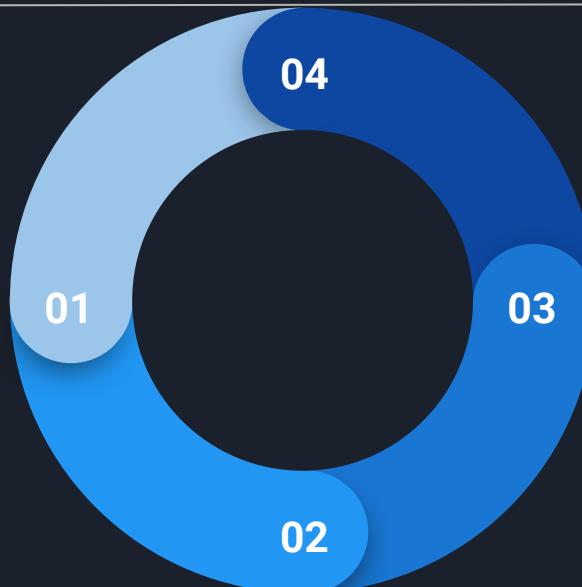
Agile approach

Plan

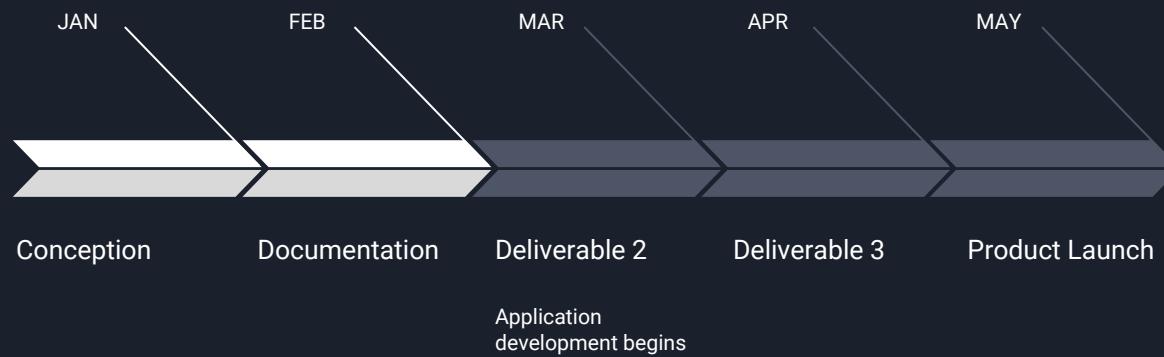
Develop and
Integrate

Evaluate

Release



Project timeline





Thank you!

Any questions?

