

DuckMommy

Team: Boyu Wang, Lifu Xiao, Vignesh Mohan, Yuan Zhang

OVERVIEW

- ▶ Why We Make It?
- ▶ Architecture
- ▶ Technology Choice
- ▶ See the Website!
- ▶ Tests

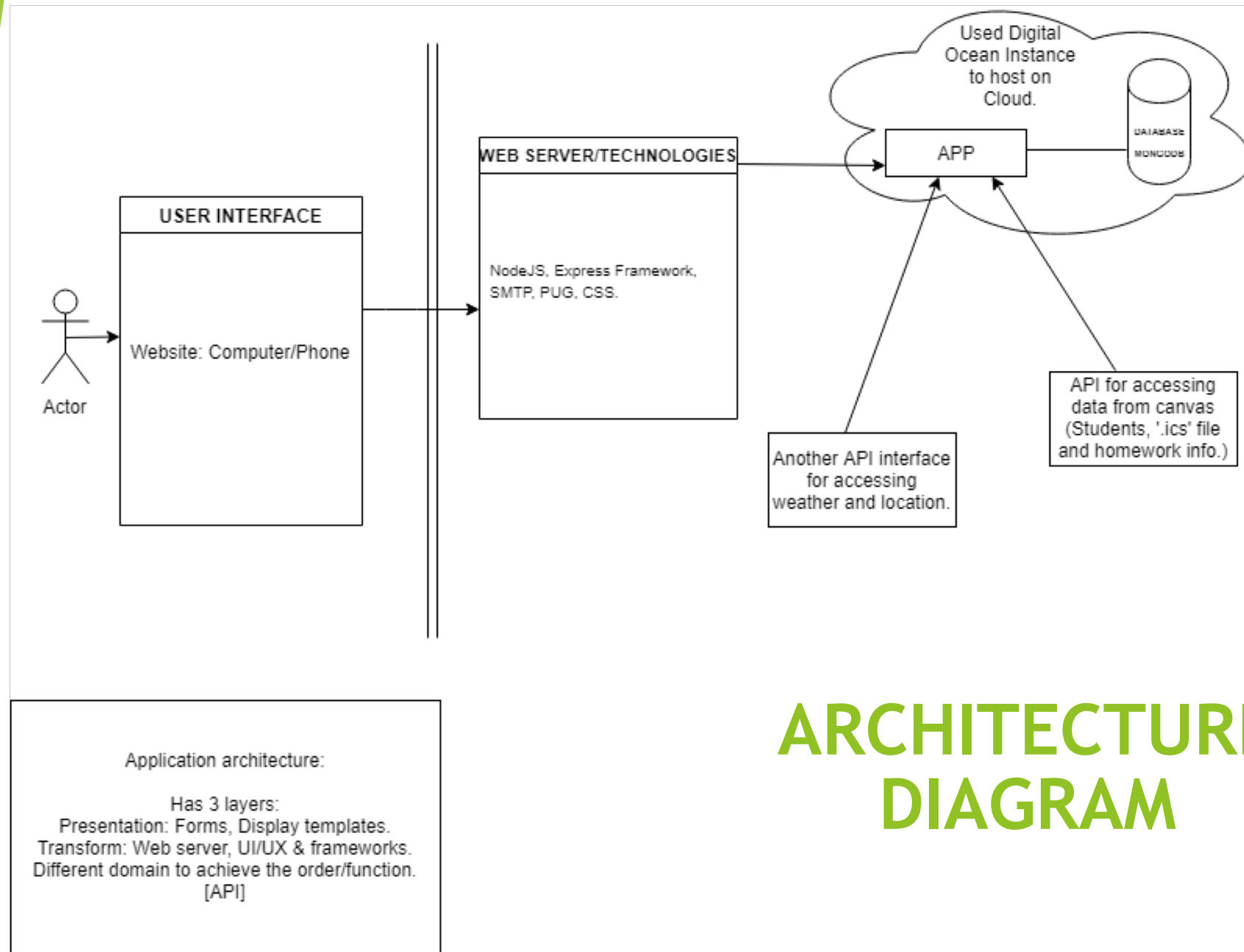
REQUIREMENTS

► GOALS:

- Our goal is to help students living and studying better.
- DuckMommy is a service aiming to help your study with all the information you want to know about your courses.

► USER STORIES (STUDENT):

- As a student, I want to get notification of class-related information before each class, so that I can know the weather and shuttle information before class.
- As a student, I want to get reminded when they need to start a homework.
- As a student, I want to get reminded when they need to submit a homework.
- As a student, I want to view workload information for each course during course registration period, so that I can choose the course suitable for me.



ARCHITECTURE DIAGRAM

TECHNOLOGY CHOICES:

▶ FRONT END:

- ▶ HTML
- ▶ CSS
- ▶ PUG
- ▶ Bootstrap

▶ BACKEND:

- ▶ NodeJS
- ▶ Express Framework
- ▶ PassportJS
- ▶ SMTP

▶ DATABASE:

- ▶ MongoDB

▶ CLOUD SERVICE/HOSTING:

- ▶ Digital Ocean

▶ API's:

- ▶ OpenWeather
- ▶ Google (Location)

▶ USER INTERFACE:

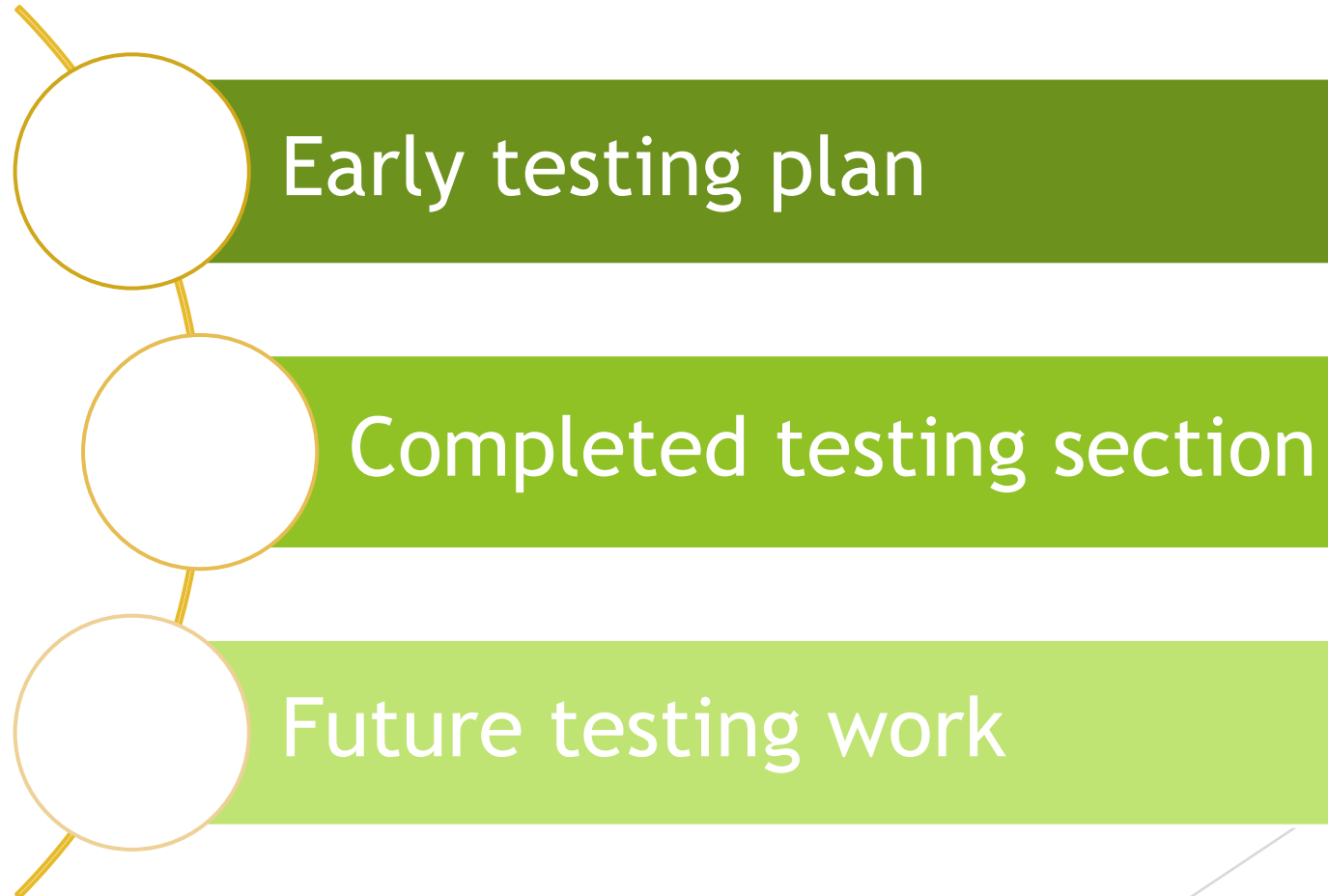
- ▶ Website “duck.cateaf.com”
- ▶ [PC/Mobile]

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern, layered effect. The shapes are concentrated on the left and right sides of the frame, leaving a white central area for the text.

I know you can't wait!

Let's see the ***DuckMommy!***

TESTS



Early testing plan

- ▶ **website functional test**

Such as testing links (webpage could get right data from links, there are no broken links) ; database (data could be stored in database , webpage could get right data from database) ; input (Allow values for the data field , Invalid input values for the data field) ; email and so on.

- ▶ **Performance testing**

Such as Page load speed testing , Testing site behavior at increasing workload (load testing)

- ▶ **Compatibility testing**

such as testing OS configuration(windows);testing browser configuration(google chrome);testing database configuration(mongo)

Future testing work

Continue to
improve
functional part

Pay more
attention to
testing Non-
functional
requirements like
performance,
accessibility

Put test part
connect with our
main code on
github and use
Travis-CI to run
all tests instead
of testing each
unit test manually.

The background features abstract, overlapping green geometric shapes in various shades, creating a modern and dynamic look. The shapes are primarily triangular and polygonal, with some areas appearing more translucent than others.

Thank you for watching!

Any questions?