Banner 9 Program
Overview of the Implementation

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June 7, 2019

Agenda

- Banner 9 Program Background

- Administrative Applications

  - Rollout Map

- Self-Service Applications

  - Road Map

- Custom Forms Development

- Questions & Answers

Banner 9 Program Background

- History of Banner
    - 2006 – Implementation of Banner 7
    - 2007 – Implementation of Banner 8
    - 2018 - End of Life Support for Oracle Forms and Reports
    - 2018- Upgrade Administrative Applications to Banner 9
    - 2019- Upgrade Self-Service Applications to Banner 9

Banner 9 Administrative Applications Rollout

March

Accounts Receivable ("T" Forms)

June

Position Control / HR ("N" Forms)

Payroll ("P" Forms)

Employee Self- Service (campus-wide)

August

Registration Application

Deactivate Banner 8 Fin Aid Forms

Financial Aid ("R" Forms)

Deactivate Banner 8 AR Non-Student

April

Student Admin ("S" Forms)

General Admin ("G" Forms)

Deactivate Banner 8 AR Student Forms

July

Banner 9 Administrative Applications Rollout

October

Finance Admin Application

Deactivate Banner 8 S & G Forms

Deactivate Banner 8 P & N Forms

December

Banner 8 Custom Forms (26 total)

Registration Application - Prime Time

November

S.S. Applications Evaluation Period

Deploy Self-Service Applications

New Training Environment

2019
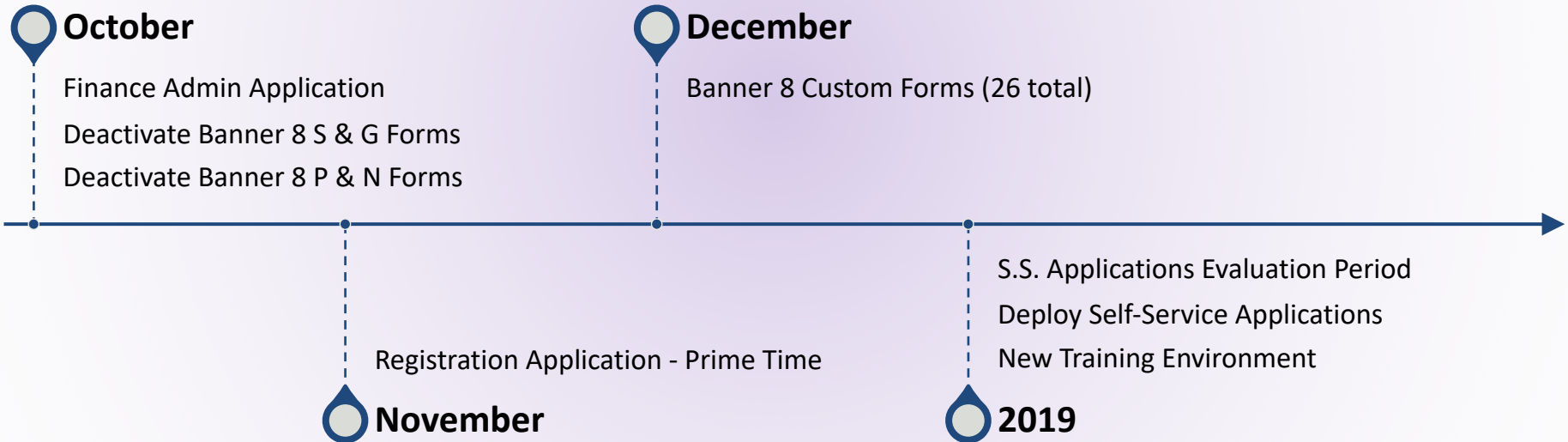
Banner 9 Self-Service Applications

- New Applications
  - Communication Management
  - Action Items Processing
  - Event Management
- Upgrading Existing Applications
  - Students
  - Employee
  - General
  - Finance
  - Account Receivable
  - Financial Aid
  - Faculty
  - Advisors

Banner 9 Self-Service Applications
Personal Information

Banner 9 Self-Service Applications

Action Item Management • Groups • Action Item Processing

Action Item Processing

Welcome
You have the following items that require your attention.

Periodic reminders for the campus	▲
	0 of 3

Instructions

Registration fees acknowledgement	Pending
Registration fees policy

Invitation to New Student Convocation	Pending
Information about the New Student Convocation

Flu shots available	Pending
Flu shots available for campus members and their households

Invitation to New Student Convocation

Come join your fellow new students to start the new academic year!

The schedule is still being worked on (and we're planning on a few surprises), but expect:

- Introduction of key distinguished faculty
- Highlights of upcoming campus events
- Complimentary snacks and drinks
- Special edition t-shirt
- Chance of other campus swag

Hope to see you!

○ **Can't wait to come!**   ○ **Sorry, but I won't be able to make it**

Save

Banner 9 Self-Service Applications

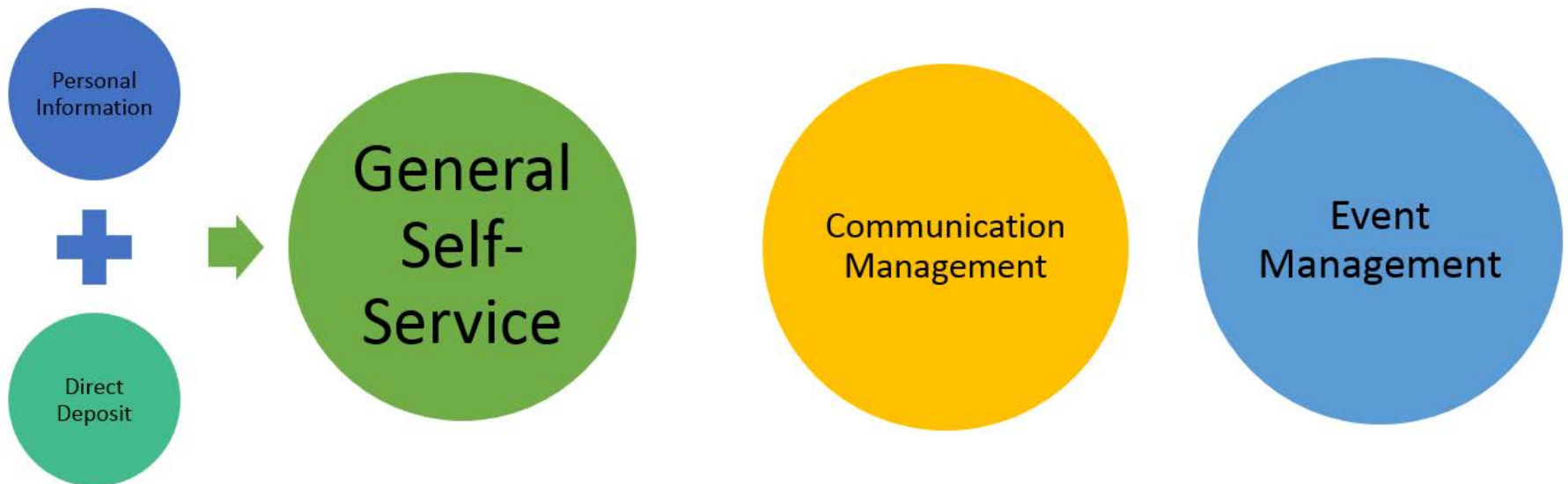## Banner 9 – Student Self-Service Applications
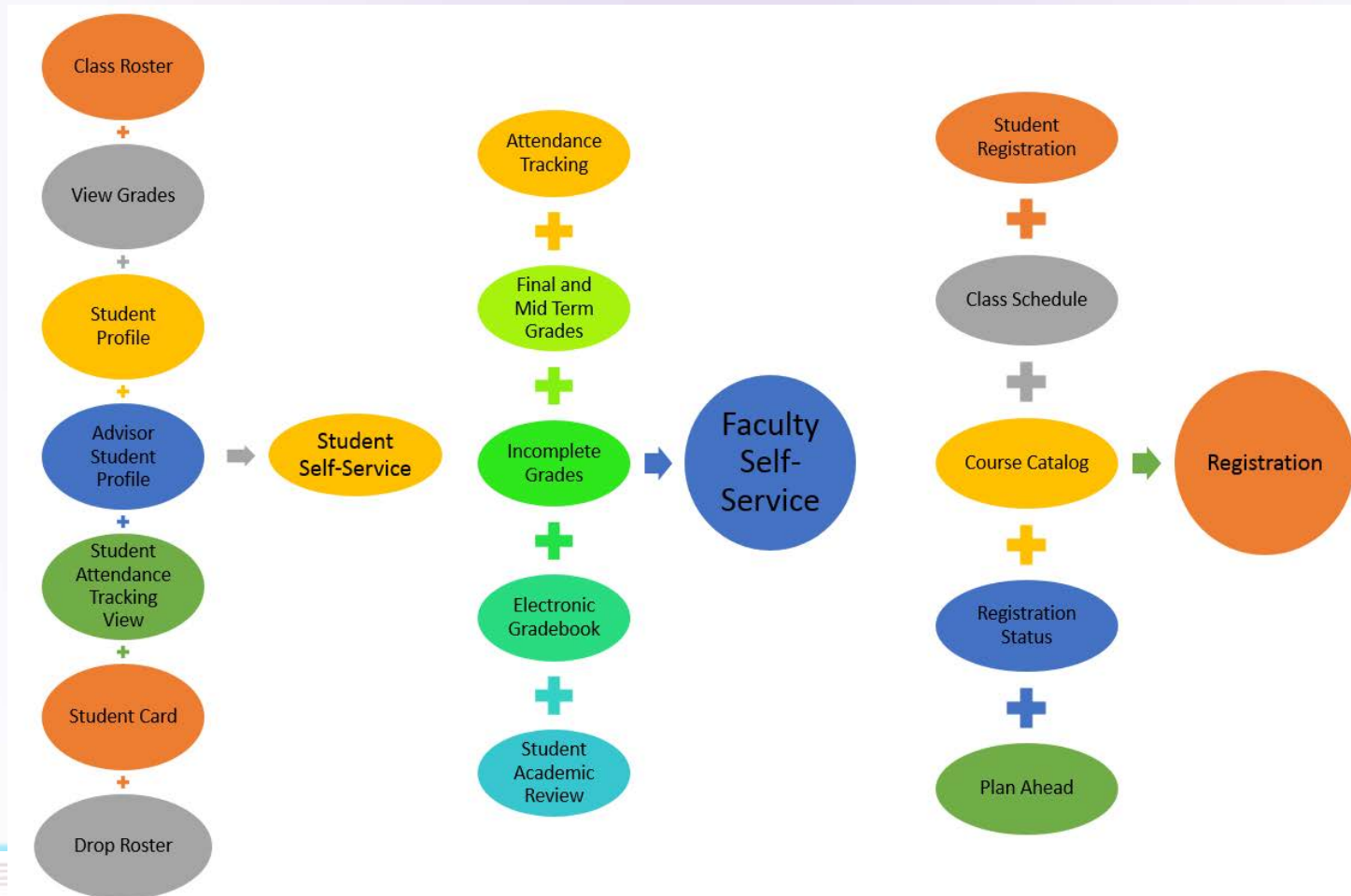
Banner 9 Self-Service Applications
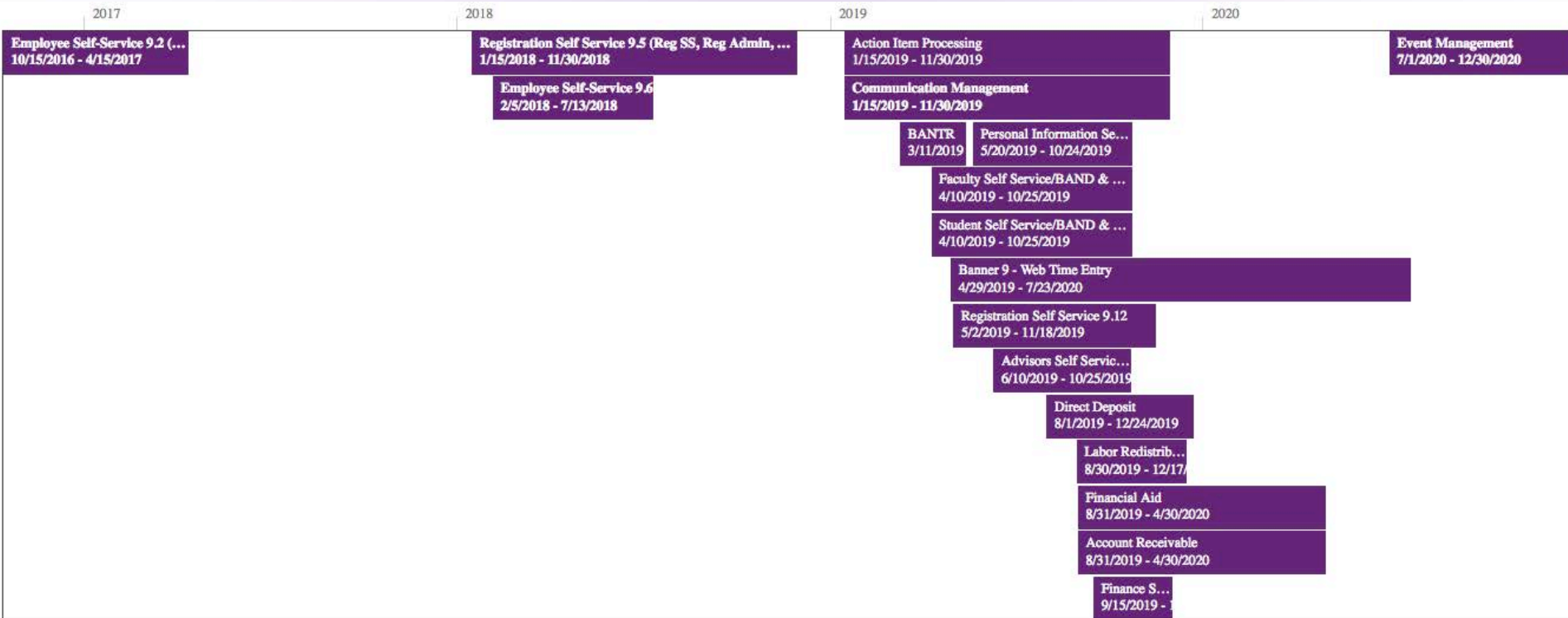
Banner 9 – HR& Finance Self-Service Applications
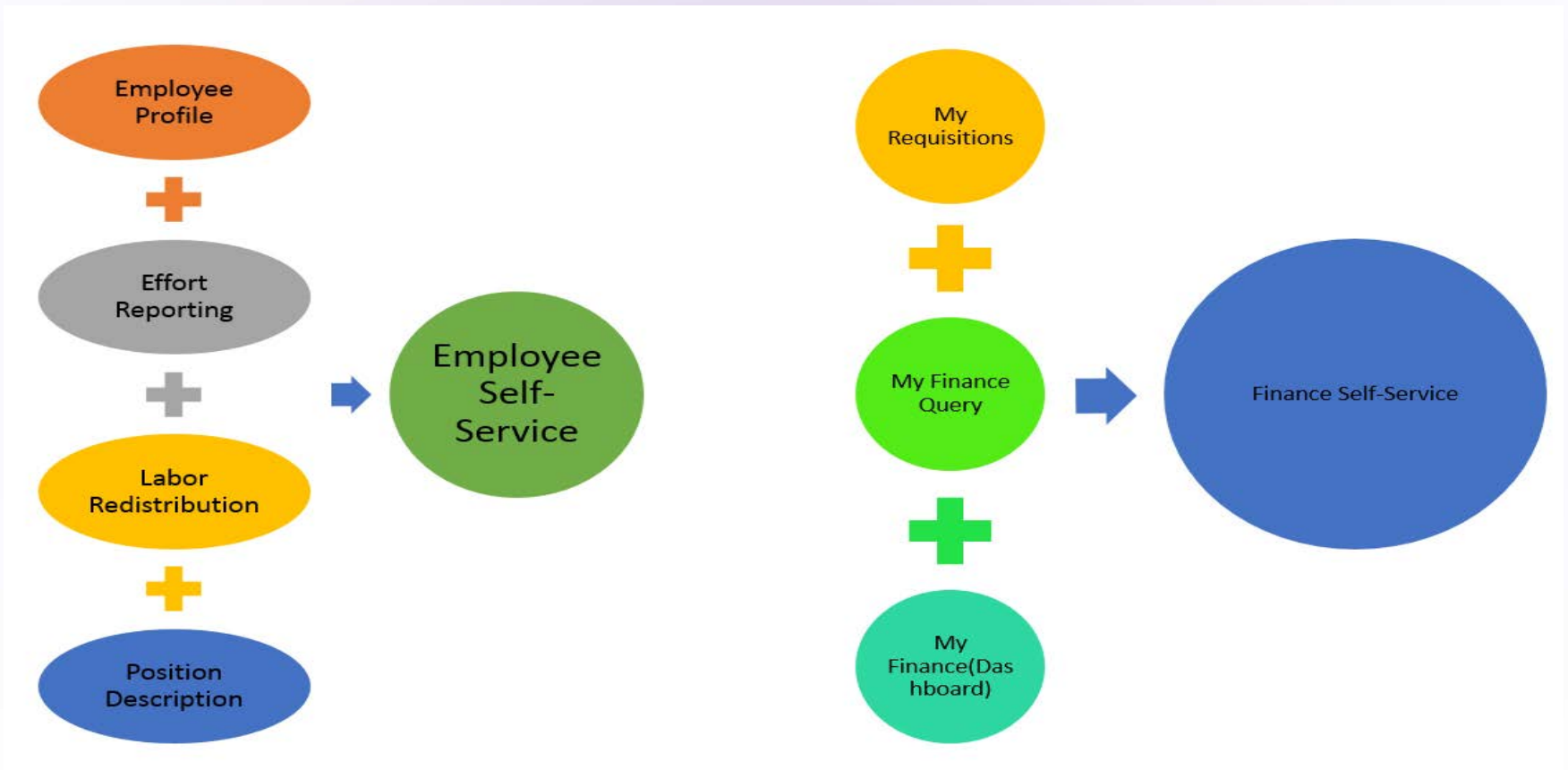
Banner 9 Self-Service Applications

Banner 9 – General Self-Service Applications

Banner 9 Self-Service Applications

Banner 9 Self-Service Applications - Road Map

2017	2018	2019	2020

Employee Self-Service 9.2 (...
10/15/2016 - 4/15/2017

Registration Self Service 9.5 (Reg SS, Reg Admin, ...
1/15/2018 - 11/30/2018

Employee Self-Service 9.6
2/5/2018 - 7/13/2018

Action Item Processing
1/15/2019 - 11/30/2019

Communication Management
1/15/2019 - 11/30/2019

BANTR
3/11/2019

Personal Information Se...
5/20/2019 - 10/24/2019

Faculty Self Service/BAND & ...
4/10/2019 - 10/25/2019

Student Self Service/BAND & ...
4/10/2019 - 10/25/2019

Banner 9 - Web Time Entry
4/29/2019 - 7/23/2020

Registration Self Service 9.12
5/2/2019 - 11/18/2019

Advisors Self Servic...
6/10/2019 - 10/25/2019

Direct Deposit
8/1/2019 - 12/24/2019

Labor Redistrib...
8/30/2019 - 12/17/

Financial Aid
8/31/2019 - 4/30/2020

Account Receivable
8/31/2019 - 4/30/2020

Finance S...
9/15/2019 -

Event Management
7/1/2020 - 12/30/2020

Custom Forms Development

- We have a need for rapid development of web applications that connect to Banner.

- We have a need for recreating custom functionality found in the older Banner 8 forms.

- Our current development language (PLSQL) does not support modern day web applications.

- We need a development framework that is geared toward web applications that use Oracle databases.

- Several of our developers here at UNM have experience with the PHP language.

- PHP is also one of the most common programming languages. According to one survey, over 80% of all websites are powered by PHP.

Custom Forms Development
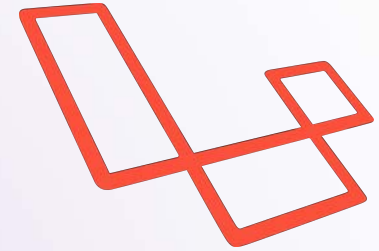
- Laravel
    - We have chosen the Laravel Framework to develop web applications.
    - It is a contemporary MVC framework that uses the PHP language.
    - This framework can:
        - Be used to build REST APIs.
        - Be used to build web applications.

Custom Forms Development

- What is a REST API?
    - REST is a way to deliver web services.
    - It uses the HTTP protocol.
    - Modern day web applications interact with REST APIs (and mobile applications use REST APIs).
    - Examples of public REST APIs:
        - https://api.spacexdata.com/v3/history
        - https://anapioficeandfire.com/api/books/1
        - JSON format

Custom Forms Development
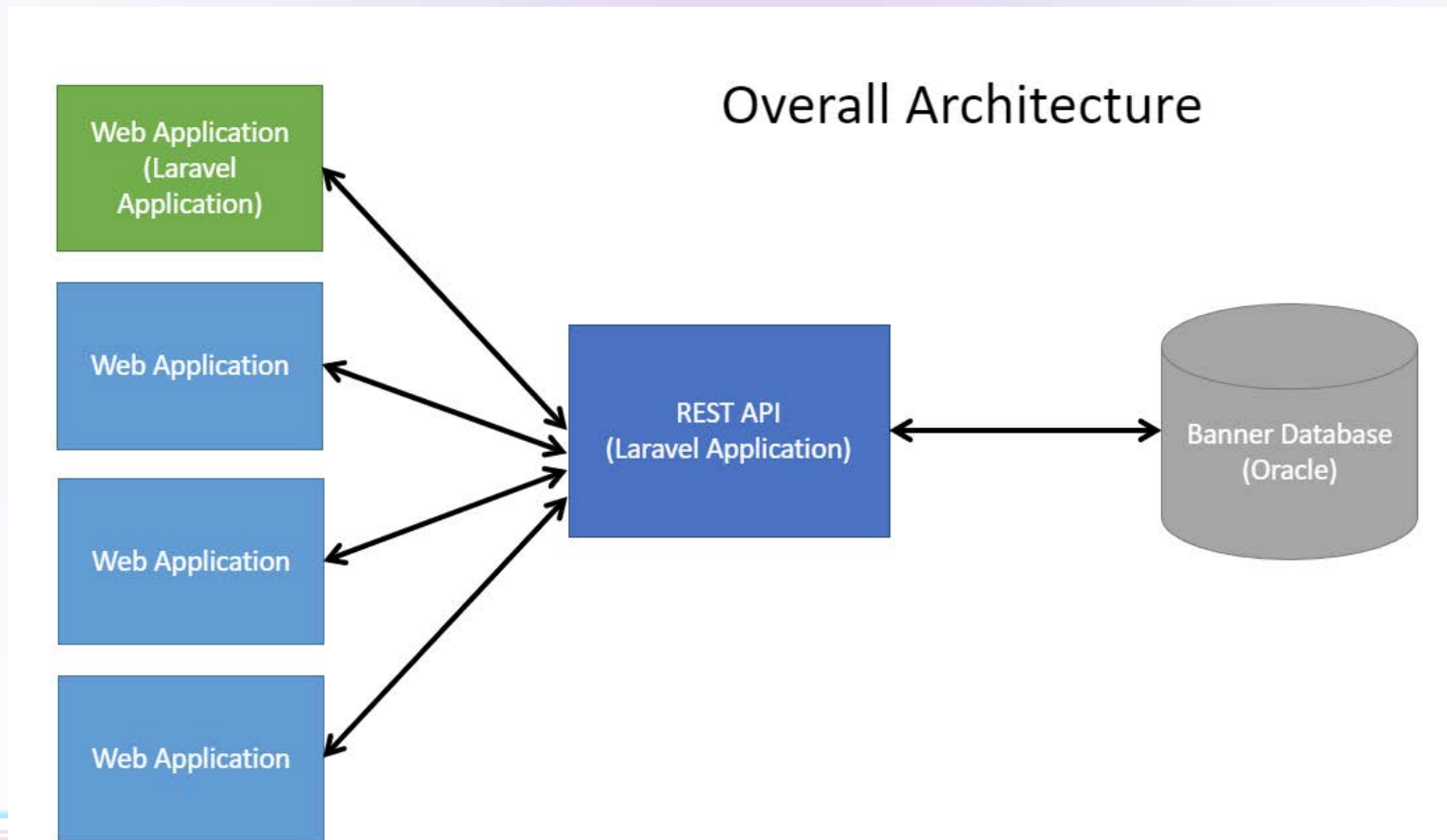
- Architecture

Custom Forms Development

- Architecture

RESTful-Deployment Diagram

Ron V Estrada, Stirling Crow, Greg Gomez, Sung-Hee Lee

June 4, 2019
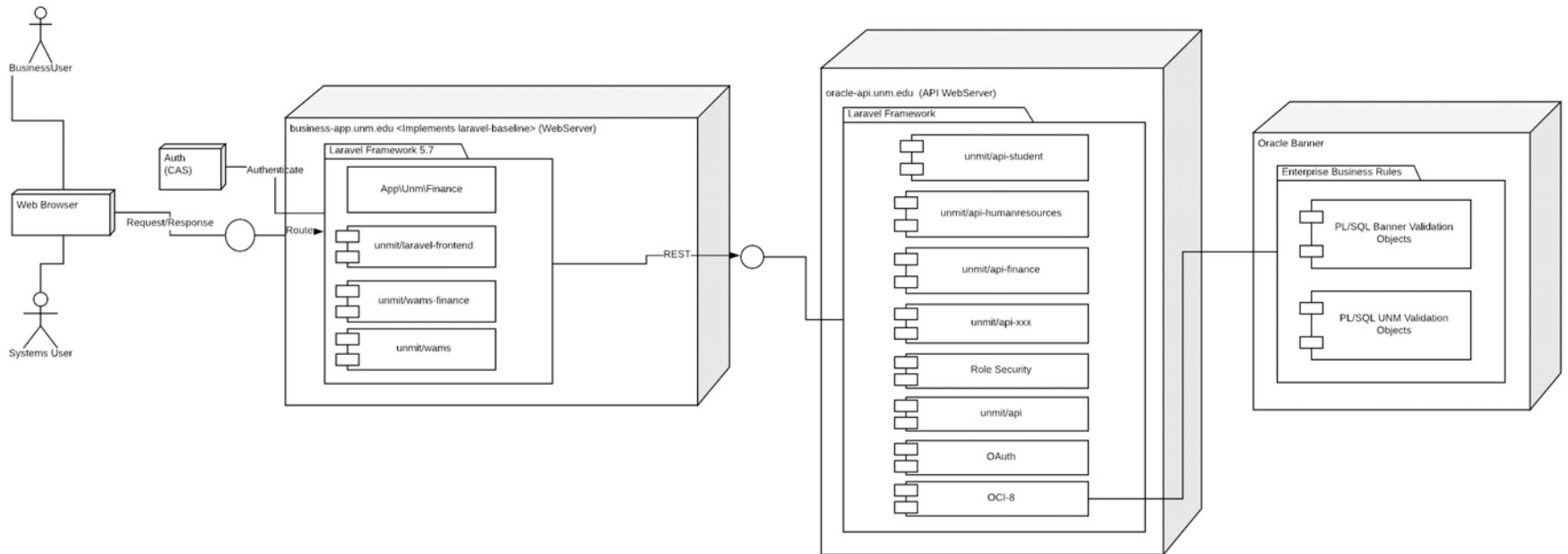
Custom Forms Development
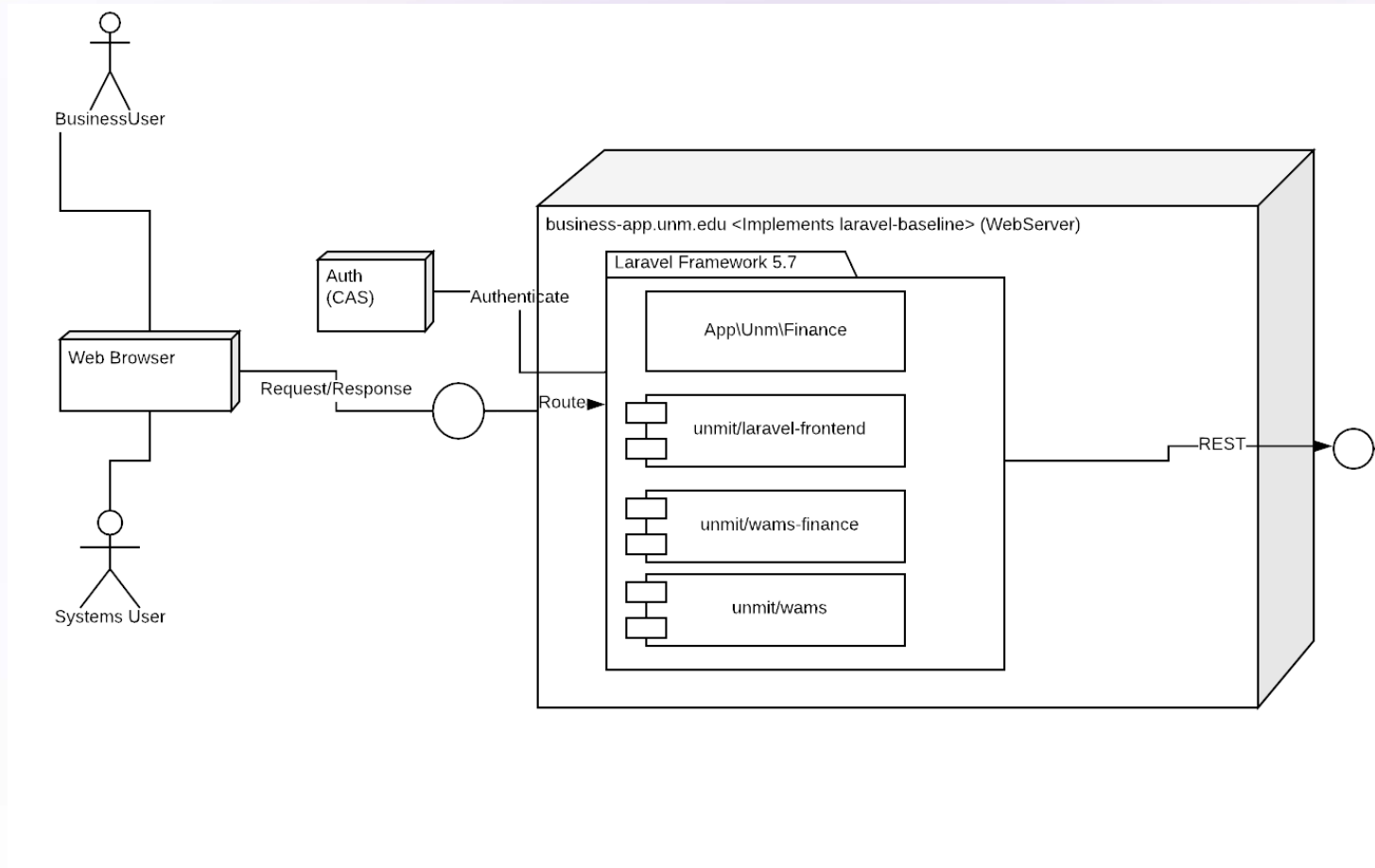
Custom Forms Development
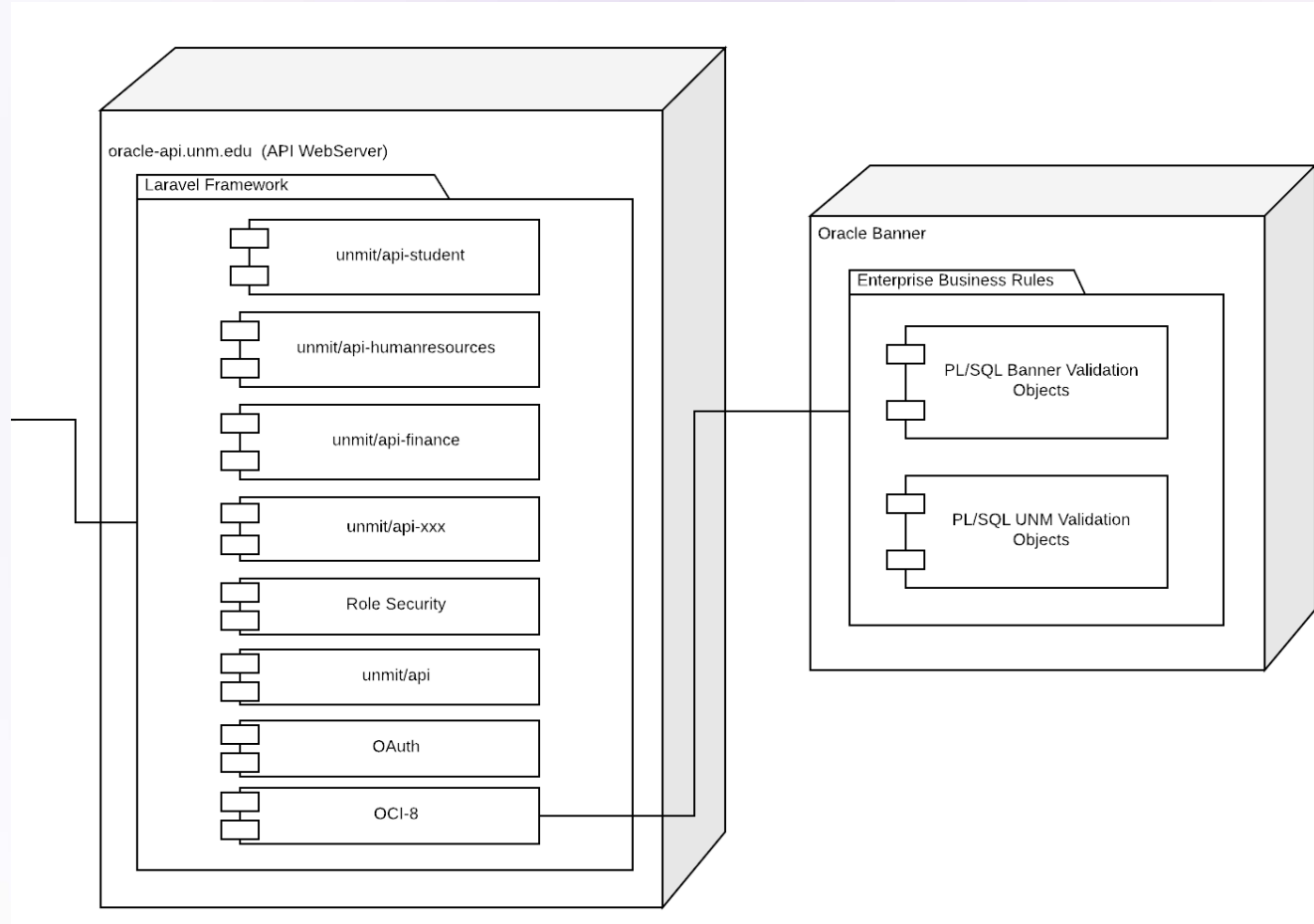
Custom Forms Development

Developer Work Environment

Custom Forms Development

- Architecture
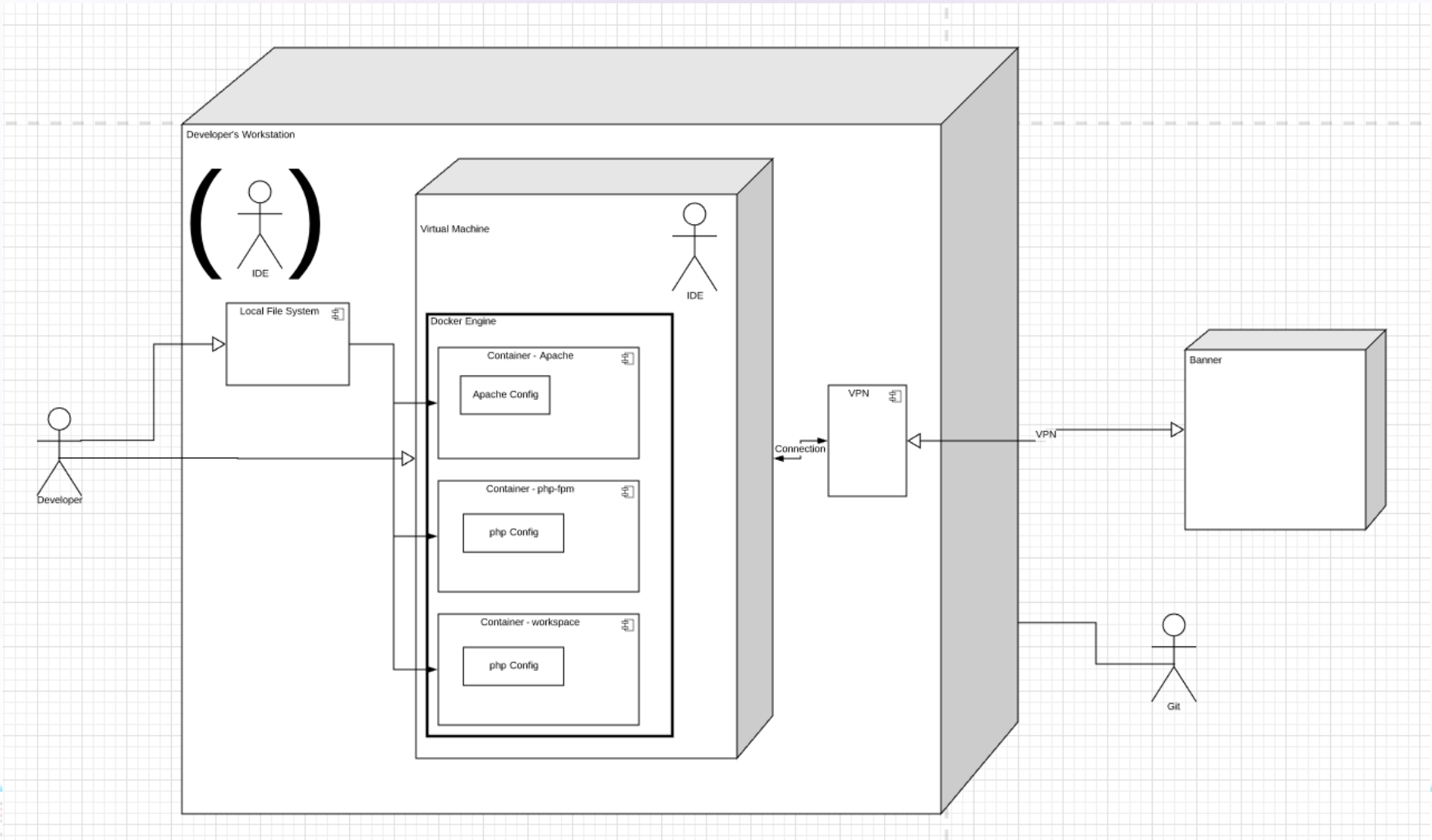
Architecture Overview
Ron V Estrada | June 4, 2019
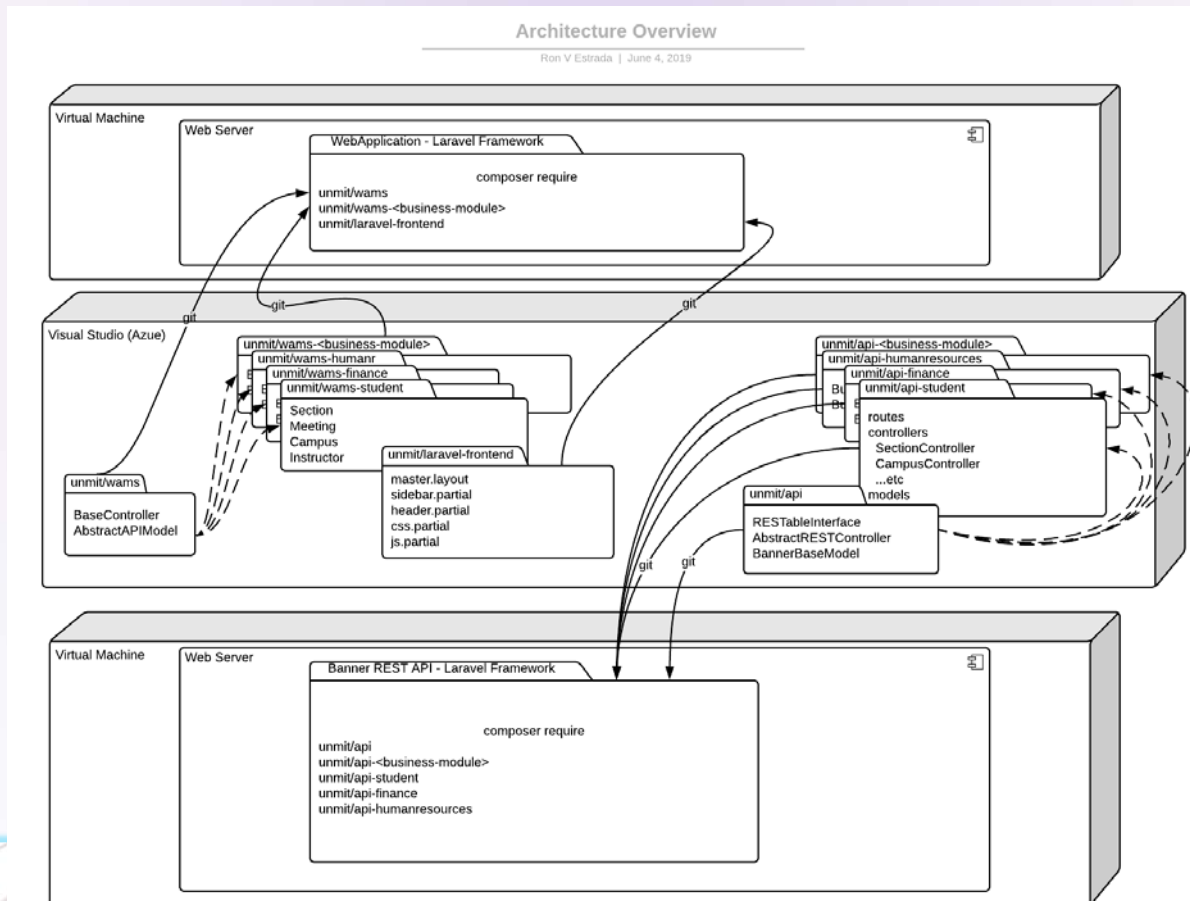
Custom Forms Development
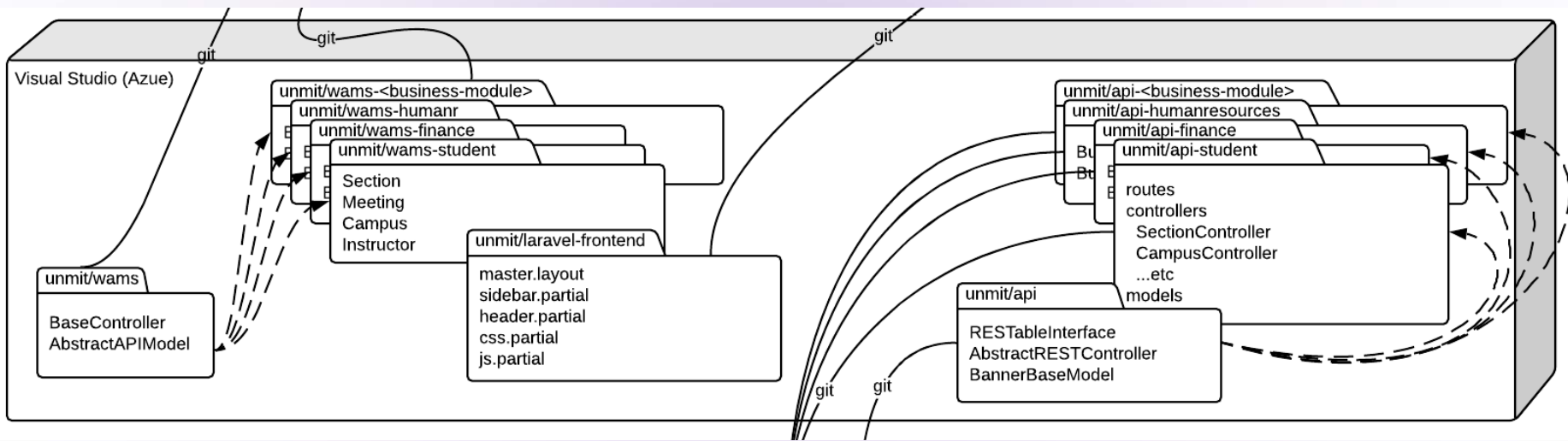
- Architecture - GIT

Custom Forms Development

- Architecture
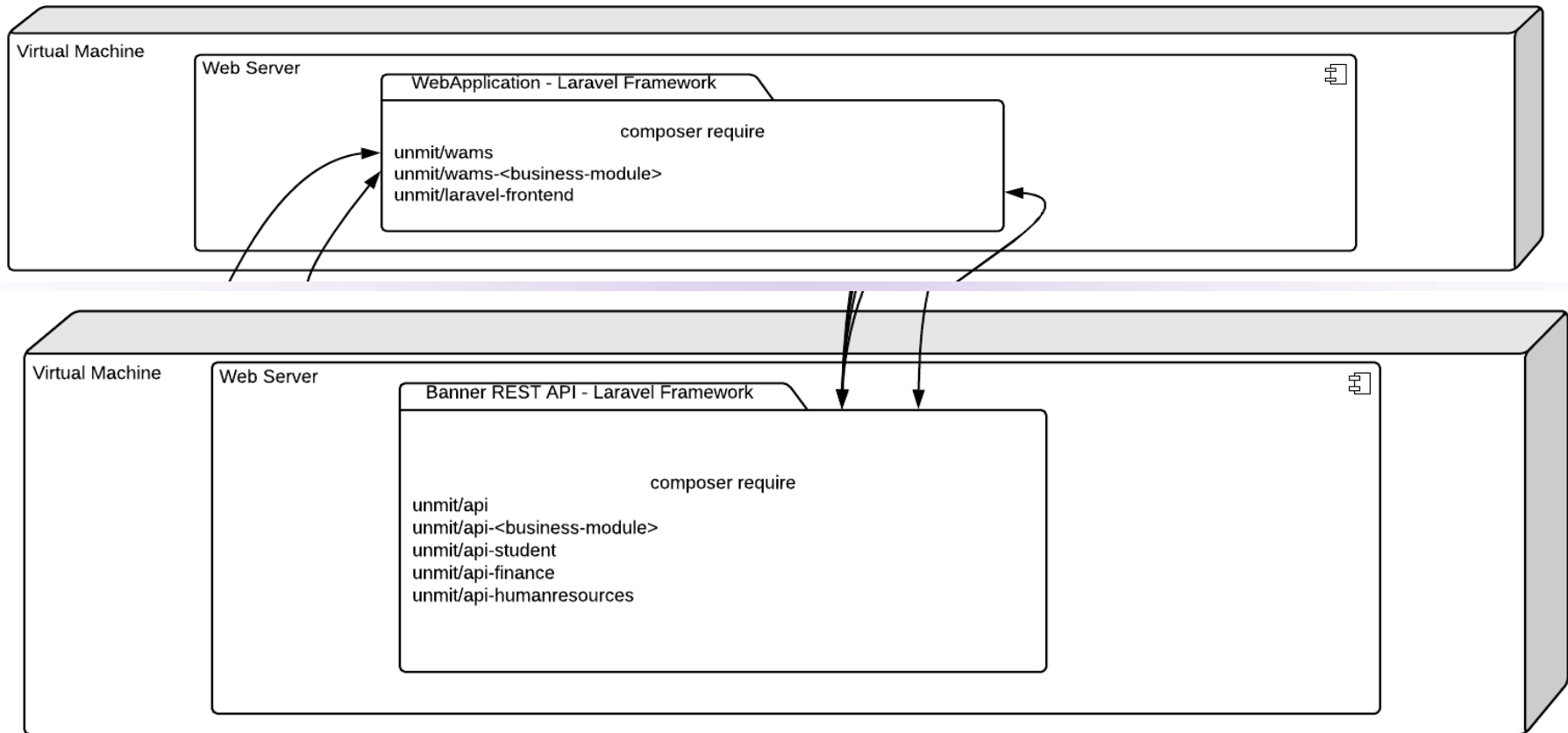
Custom Forms Development

- Overview of Laravel Application with Banner Custom Forms Functionality

  - SZASECT

  - SZVDIST

Custom Forms Development - SZVDIST

Custom Forms Development - SZVDIST

Custom Forms Development - SZVDIST

Custom Forms Development - SZVDIST

Custom Forms Development - SZASECT

Custom Forms Development - SZASECT

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Custom Forms Development

Custom Forms Development

Custom Forms Development

Custom Forms Development

Thank You

Questions?

For more information log to
http://banner9.unm.edu