

Tangelo

Start your day.

what's Tangelo?

Demo

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News

[@Theguardian.com](#) Senate rejects Joe Biden's request to search for records on Tara Reade 

[@Marketwatch.com](#) GE's stock dives after Warren Buffett's negative

Princeton Academic Calendar

[@5/04/2020](#) Deadline for Submitting Senior Thesis

[@5/04/2020](#) Spring Reading Period Begins

Cap and Gown Updates

[@rmthorpe](#) Still closed :(

Poem-a-Day

[@W. S. Merwin](#)

I Live Up Here

I live up here
And a little bit to the left
And I go down only

For the accidents and then

Alimtas Updates

[@rmthorpe](#) Meeting postponed to Sunday!

05 / 04 / 20

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Cap and Gown Updates

@rmthorpe Still closed :(

Brown Co-Op

@zbatscha Burritos!! tonight at 6:30pm

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News

@Theguardian.com Senate rejects Joe Biden's request to search for records on Tara Reade

@Marketwatch.com GE's stock dives after Warren Buffett's negative outlook, 'permanent' job cuts at Aviation

@Fox News Third Russian coronavirus doctor plummets from hospital window under hazy circumstances, reports say

COVID-19

@Johns Hopkins CSSE Since yesterday, the US has witnessed an increase in total confirmed cases by 25,501, and an increase in total deaths by 1,313.

Poem-a-Day

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Princeton University News

05/04/20 Princeton Research Day showcases work of undergraduates, graduate students and postdocs, May 5-7

05/04/20 President Eisgruber writes to the Princeton community about the state of the University and plans

05 / 04 / 20

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Poem-a-Day

@W. S. Merwin

I Live Up Here

I live up here
And a little bit to the left
And I go down only

For the accidents and then
Never a moment too soon

Just the same it's a life it's plenty

The stairs the petals she loves me
Every time
Nothing has changed

Oh down there down there
Every time
The glass knights lie by their gloves of blood

In the pans of the scales the helmets
Brim over with water
It's perfectly fair

The pavements are dealt out the dice
Every moment arrive somewhere

News

@Theguardian.com [Senate rejects Joe Biden's request to search for records on Tara Reade ↗](#)**@Marketwatch.com** [GE's stock dives after Warren Buffett's negative outlook, 'permanent' job cuts at Aviation ↗](#)**@Fox News** [Third Russian coronavirus doctor plummets from hospital window under hazy circumstances, reports say ↗](#)**@Cnet.com** [How to see Eta Aquarids meteor shower compete with the supermoon this week ↗](#)**@Reuters** [U.S. steers clear as global COVID-19 pledging conference begins ↗](#)**@CNBC** [California Gov. Gavin Newsom says some businesses will reopen Friday with conditions ↗](#)

Triangle

**@almejia** [Come see our first-ever virtual Spring Show: Blairasite! Coming to any device near you on May 14th!](#)

Want a sneak peek? Check out our first sketch at <https://youtu.be/F30AnjW-xrI>!

Forbes College Events



[@fawaza](#) Hamilton trip has been cancelled ;(

MSA



[@fawaza](#) Friday prayer's at Murray Dodge Hall, 1:20 pm! Samosas will be served afterwards!

Princeton Academic Calendar

[@5/04/2020](#) Deadline for Submitting Senior Thesis

[@5/04/2020](#) Spring Reading Period Begins

[@5/04/2020](#) Graduate Students Fall Course Selection Begins

[@5/12/2020](#) Undergraduate Deadline to Drop Spring Term Courses Ends at 11:59 pm

[@5/12/2020](#) Spring Reading Period Ends

[@5/12/2020](#) Dean's Date: Deadline for Student Submission of Written Work

COVID-19

[@Johns Hopkins CSSE](#) Since yesterday, the US has witnessed an increase in total confirmed cases by 25,501, and an increase in total deaths by 1,313.

Halal Foods at DHalls



[@fawaza](#) Halal BBQ chicken at Sunday Brunch ;D

Princeton University News

[05/04/20](#) Princeton Research Day showcases work of undergraduates, graduate students and postdocs, May 5-7 [↗](#)

[05/04/20](#) President Eisgruber writes to the Princeton community about the state of the University and planning for the academic year ahead [↗](#)

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Forbes College Events

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Cap and Gown Updates

@rmthorpe Good luck during Finals' Week !!

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System Architecture

Motivating Tangelo's Frontend

Goals

- Easy, clean user interface
- Interactive + Customizable

Implementation

- Self-contained dashboard
- Gridstack.js

Motivating Tangelo's Backend

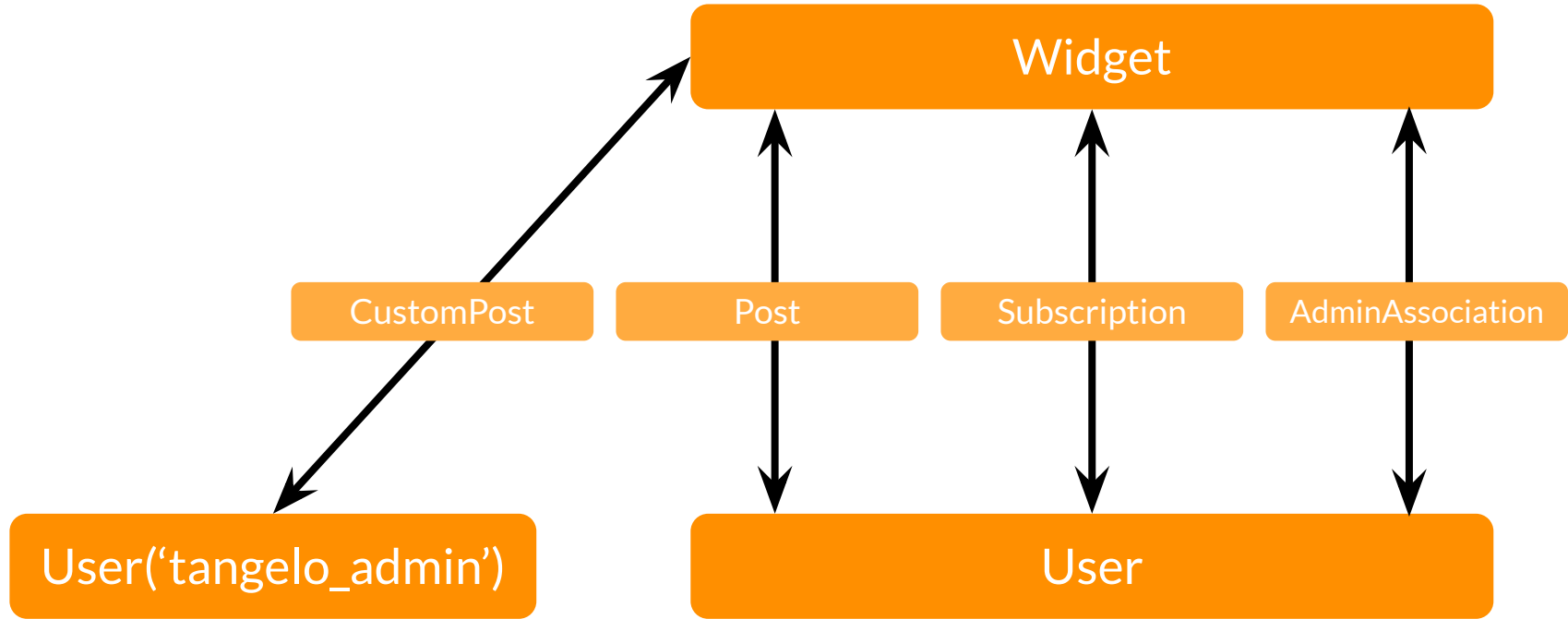
Goals

- Easy to read and maintain
- Secure
- Fullstack Python

Implementation

- SQLAlchemy+Postgres
- Flask_Login+CAS for User authentication (dynamic Jinja templates)
- Flask logging

Data Management



Custom Content Creation

Goals

- Automate Tangelo's 10+ administered widgets (Princeton News, Poem, etc.)

Implementation

- API Requests, iCal Parsing, feedparser, BeautifulSoup for data aggregation
- Celerybeat for periodic task scheduling on Heroku (updates every 20-60 minutes)

A Learning Moment...

Injection Attack Test

" <h1> Hey there COS 333! </h1>
<script> alert("Fix this!"); </script>

Clear Post

Save Post

Problem

localhost:55555 says

Fix this!

OK

Injection Attack Test

@rmthorpe "

Hey there COS 333!

Solution

Injection Attack Test

@rmthorpe " <h1> Hey there COS 333! </h1> <script> alert("Fix this!"); </script>

Future Directions

@Dashboard customizability

@Features that facilitate Tangelo as a “content” platform

@Consider NoSQL, move away from One-Size-Fits-All

Thank you

Prof. Dondero

Joe Eichenhofer

COS 333 Staff

Beta Testers

Questions?