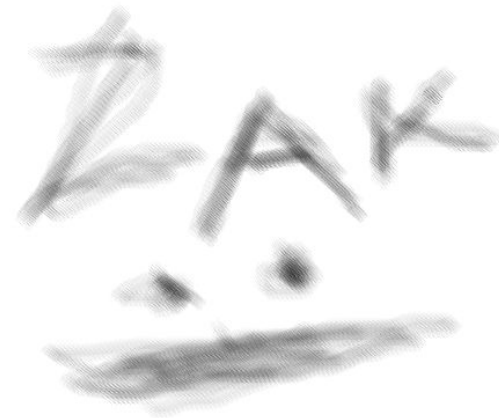# Imago Imaginis

Artistic Stylizer Platform

Brendon Boldt, Leonardo Keefe,
Antonio DelVecchio, Zachary Recolan,
Kai Wong

Week 7

Team Pictures

Decision Required

Yellow	Brendon	Set up Express.js server in charge of styling
Yellow	Zack/Kai	Revamping UI styling/layout/design
Yellow	Zack/Kai	Implement rest of communication between DB and UI
Green	Zack/Kai	Establish communication between DB and UI
Green	Antonio	Get the database on the server
Green	Leo	Prep Servers for hosting

Project Status

- Accomplishments
  - Revised ERD and created Postgres DB
  - DB is on server and tested
  - Established connection between UI and DB (can perform user website login)
- Blockers
  - None
- Activities being worked
  - Continue development/restyling of UI
  - Implement website functionality with DB
  - Develop style server
  - Final Project Plan and UML diagrams

Scope of Project

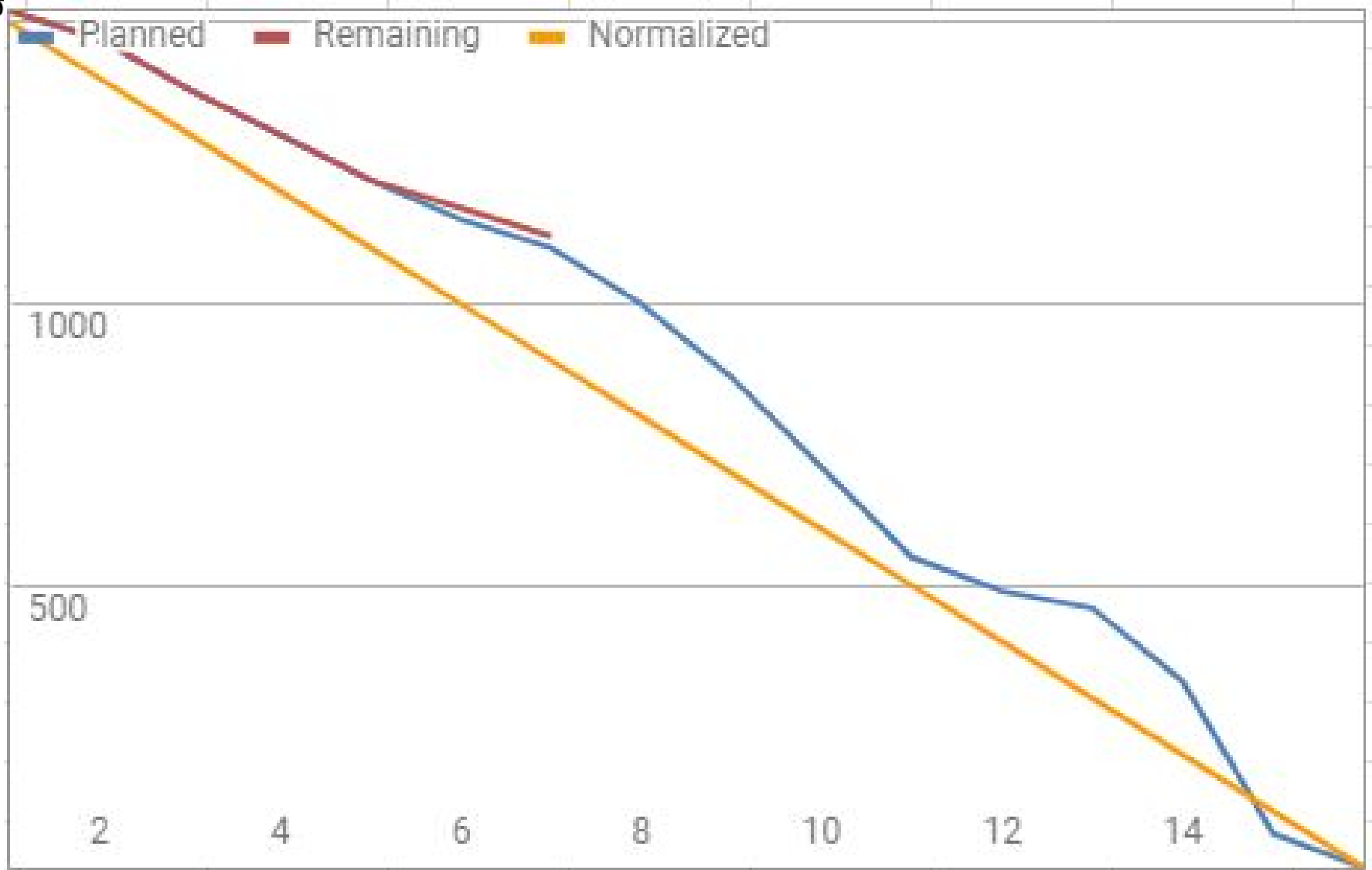| What it is	What it is not
A website	A desktop application
Photo styler	Photo filter applier
Viewable on mobile	An app (yet)
User profiles	Social media platform
A paid API	A free API
A style transfer service	A deep learning research project

Project Schedule

Deadline	Task / Deliverables	Allocation	Weight	Completed?
10/4/2017		Week 6	50	
	Weekly Meeting	All	10	Yes
	Deep learning style transfer prototype	Brendon	20	No
	Continue to build website (no functionality)	Zach/Kai	20	Yes
10/11/2017		Week 7	70	
	Prototype of database submitted for evaluation	Antonio/Leo	40	Yes
	Preliminary website built (no functionality)	Zach/Kai	20	No
	Weekly Meeting	All	10	Yes
10/18/2017		Week 8	100	
	Final Project Plan - updated with all input from instructor	Leo	30	
	Final UML Diagrams	Leo	20	
	Setup connection between database on server and UI on front-end (we might have to develop APIs here, which would kill several birds with one stone!)	Zach/Kai/Antonio	40	
	Weekly Meeting	All	10	
10/25/2017		Week 9	130	
	Implement profile functionality	Zach	40	
	Implement login functionality	Kai	40	
	Implement web APIs to access database	Zach/Kai/Antonio	40	
	Weekly Meeting	All	10	
11/1/2017		Week 10	160	
	Final design of the database to be submitted	Antonio/Leo	20	
	Complete initial (ie. first pass feedback) peer reviews	All	20	
	Weekly Meeting	All	10	
	Implement web API to call deep learning component	All	40	
	Hook up deep learning component to everything else	Brendon	30	
	Fully functional deep learning style transfer	Brendon	40	

Burndown Chart

Legend: Planned — Remaining — Normalized

Project Risks

Risk	Score	Mitigation
User data could be stolen (such as emails)	Low	• Encrypt • Penetration tests of server and site • Credit card data is not stored
Database compromise via malicious injection	Low	• Sanitize inputs • Testing of site
Servers run out of space or processing power	Medium	• Run metrics

Project issues

Issue	Owner	Action Plan	Checkpoint Date
Restyle website	Kai & Zack	Use a better template to restyle the website	10/11
Add more pages	Kai & Zack	Add in pages that were overlooked in order to make the website more functional	10/18
Fully connect website and DB	Kai & Zack	Implement all the HTTP calls from the Express server, and have the UI call them	10/25
Connect style and DB	Brendon	Determine how run parameters and image data will be transferred	10/15

Lessons Learned

Lessons Learned	Corrective Action / Recommendation
How to do an Ubuntu	Reboot after changing anything
Database privilege creation	Schemas and grants
Database privilege decision making	Lots of discussion
Making page styling easier	Use dev console, and use a more defined template, rather than making it from scratch Bootstrap