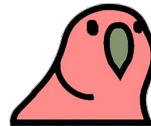


Imago Imaginis

Artistic Stylizer Platform

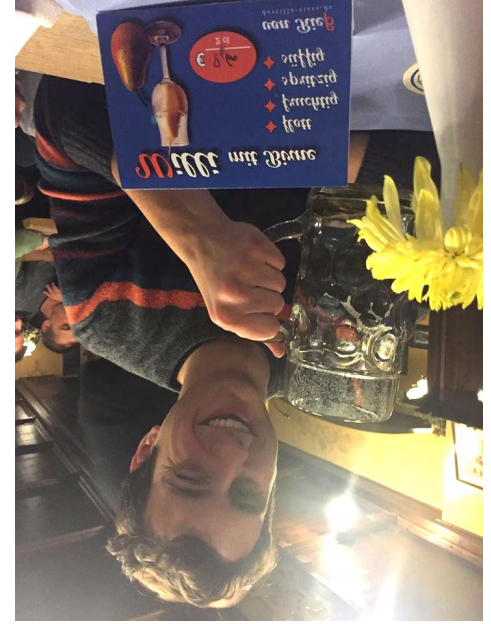
Brendon Boldt, Leonardo Keefe,
Antonio DelVecchio, Zachary Recolan,
Kai Wong

Week 8





Team Pictures





Decision Required

Yellow	Zack/Kai	Revamping UI styling/layout/design and adding additional pages needed
Yellow	Zack/Kai	Implement account creation, library management
Yellow	Antonio	Create a load testing script to test the servers
Green	Brendon	Set up Express.js server in charge of styling
Green	Kai	UI now uploads images to DB server file system





Project Status

- Accomplishments
 - Can upload photos between UI and DB server/F-S
 - Style server prototype is functioning
 - Styled more pages to fit new theme
- Blockers
 - None
- Activities being worked
 - Add missing pages to UI (Library, Settings)
 - Develop more website functionality with DB
 - Connect the style server
 - Final Project Plan and UML diagrams
 - Load testing script





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
A method to share and display photos	A drive for your users photos

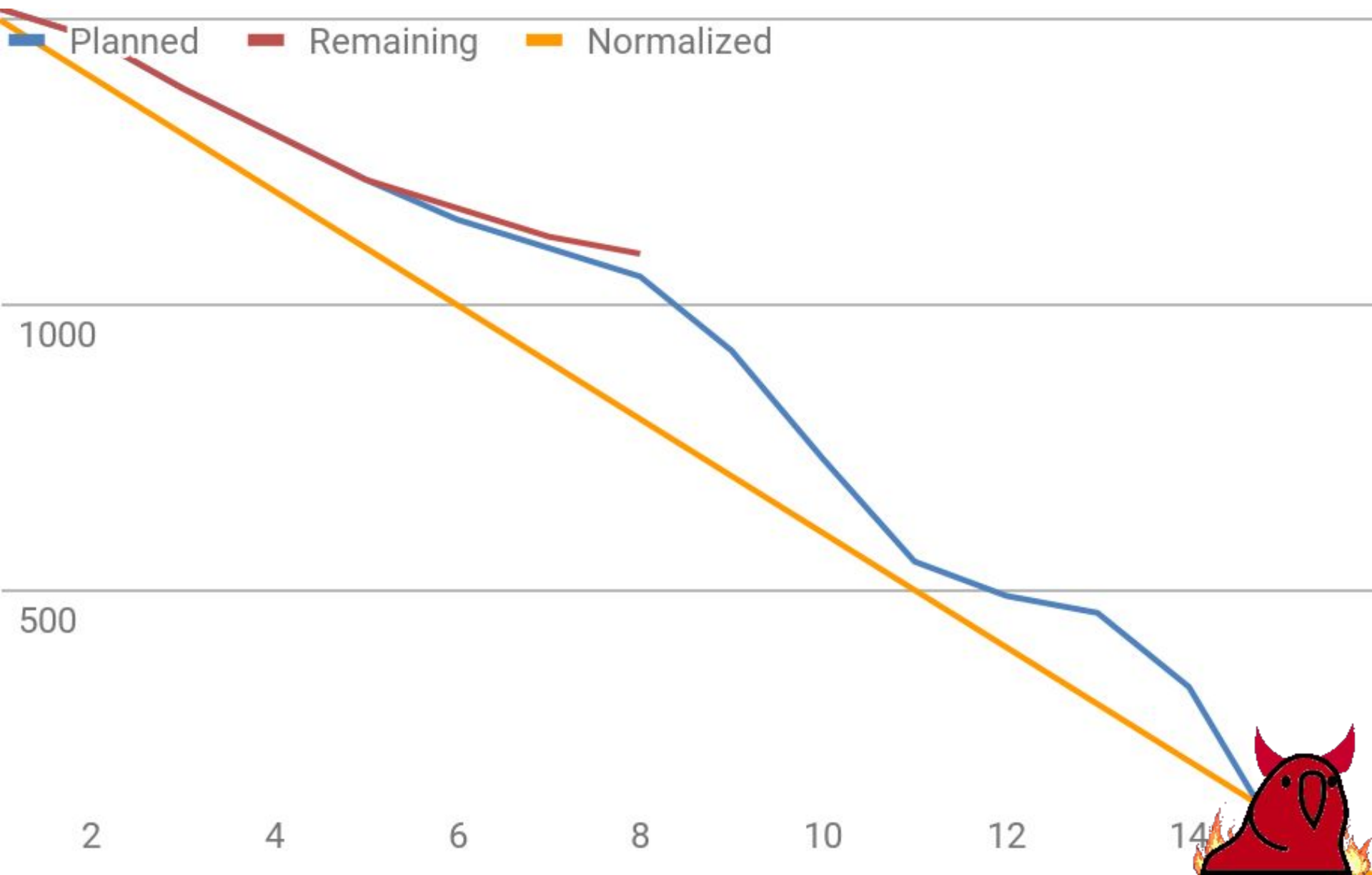


Project Schedule

Deadline	Task / Deliverables	Allocation	Weight
10/11/2017		Week 7	70
	Prototype of database submitted for evaluation	Antonio/Leo	40
	Preliminary website built (no functionality)	Zach/Kai	20
	Weekly Meeting	All	10
10/18/2017		Week 8	50
	Setup connection between database on server and UI on front-end	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	190
	Final DB Design	Leo/Antonio	20
	Database Load Tested	Leo/Antonio	30
	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





Project Risks



Risk	Score	Mitigation
User data could be stolen (such as emails)	Low	<ul style="list-style-type: none">• Encrypt• Penetration tests of server and site• Credit card data is not stored
Database compromise via malicious injection	Low	<ul style="list-style-type: none">• Sanitize inputs• Testing of site
Servers run out of space or processing power	Medium	<ul style="list-style-type: none">• Run metrics
Database could be under provisioned	High	<ul style="list-style-type: none">• Carefully load test



Project issues

Issue	Owner	Action Plan	Checkpoint Date
Add more pages	Kai & Zack	Add in pages that were overlooked in order to make the website more functional	10/18
Fully connect website, DB, stylizer	Kai & Brendon	Implement all the HTTP calls from the Express server, and have the UI/stylizer call them	10/25
Load test DB	Leo/Antonio	Determine if the database can handle 1000 changes at the same time, and be read for queueing purposes	11/1





Lessons Learned



Lessons Learned	Corrective Action / Recommendation
How to upload photos to DB filesystem through HTTP call	There are many methods, still playing around them