Imago Imaginis

Artistic Stylizer Platform

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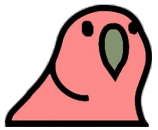
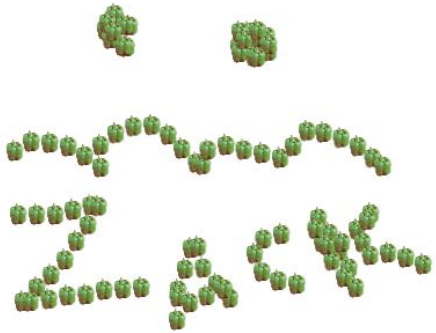
Week 6



Team Pictures



Decision Required

Green	Zack/Kai	Creation of web UI modeled after the mockups created
Yellow	Zack/Kai	Establish communication between DB and UI
Yellow	Zack/Kai	Continue to tweak/improve/add to web UI
Yellow	Antonio	Get the database on the server
Red	Brendon	Self-train architecture (likely dead end)
Green	Brendon	Test out-of-the-box stylizer using VGG19 architecture
Green	Leo	Prep Servers for hosting

Project Status

- Accomplishments
  - Created web UI modeled after mockups
  - Revised ERD and created Postgres DB (not on server)
- Blockers
  - None
- Activities being worked
  - Setting up Postgres to Ubuntu Server (Leo)
  - Establishing connection between UI and DB
  - Continue development on UI
  - Researching premade style transfer algorithms

Scope of Project

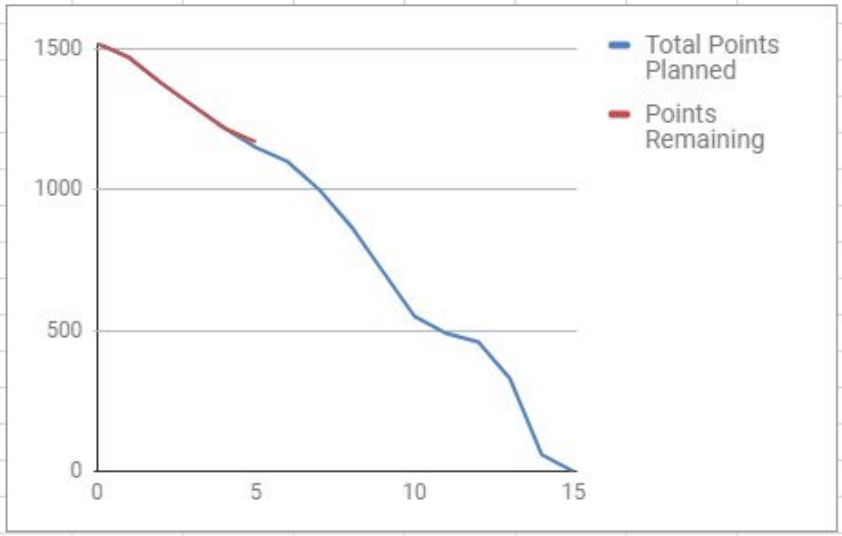
What it is	What it is not
A website	A desktop application
Photo styler	Photo filter applier
Viewable on mobile	An app (yet)
User profiles	Social media platform
A paid API	A free API
A style transfer service	A deep learning research project

Project Schedule

Deadline	Task / Deliverables	Allocation	Weight	Completed?
9/27/2017		Week 4	80	
	Weekly Meeting	All	10	Yes
	Learn to build a postgres database	Antonio/Leo	30	Yes
	Complete and submit 5 mock-ups (ie. wireframes) of the early demo views of the user interface	Zach/Kai	20	Yes
	Deep learning output using Google's pretrained network	Brendon	20	Yes
10/4/2017		Week 5	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 6	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 7	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 8	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	

Burndown Chart

Week	Total Points Planned	Points Remaining
0	1520	1520
1	1470	1470
2	1380	1380
3	1300	1300
4	1220	1220
5	1150	1170
6	1100	
7	1000	
8	870	
9	710	
10	550	
11	490	
12	460	
13	330	
14	60	
15	0	



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
Setup DB on server	Antonio	Create DB using our script on the server once it is online	10/4
Connect UI and DB	Kai & Zack	Build API for DB, and have the UI call the API	10/11
Styling via Deep Learning	Brendon	Create a style transfer prototype	10/8

Lessons Learned

Lessons Learned	Corrective Action / Recommendation
Implementing deep learning algorithms is a project of its own	Do not reinvent the wheel, especially if you are on a deadline
How to do an Ubuntu	Reboot after changing anything