

# Artistic Stylizer Platform

Week 11

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# Beautiful Team Picture





# Decision Required

Green	Zack/Kai/ Antonio	Improve UI styling/layout/design
Green	Zack/Kai	Implement library management
Green	Kai	Complete front-end implementation
Green	Kai/Antonio	Report and admin pages
Green	Kai/Zack	Implement video upload
Green	Brendon	Connect style server to database
Yellow	Zack/Kai	Website animations
Yellow	Zack/Kai	Free user implementation
Yello	Zack/Kai	API authorization headers





# Project Status

- Accomplishments
  - Library and profile implementation
  - Front-end cleanup implementation
  - Front-end quality of life fixes
- Blockers
  - None
- Activities being worked
  - Continue to polish website front-end
  - Connect the style server to the database *robustly*
  - 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
A method to share and display photos	A drive for your users photos

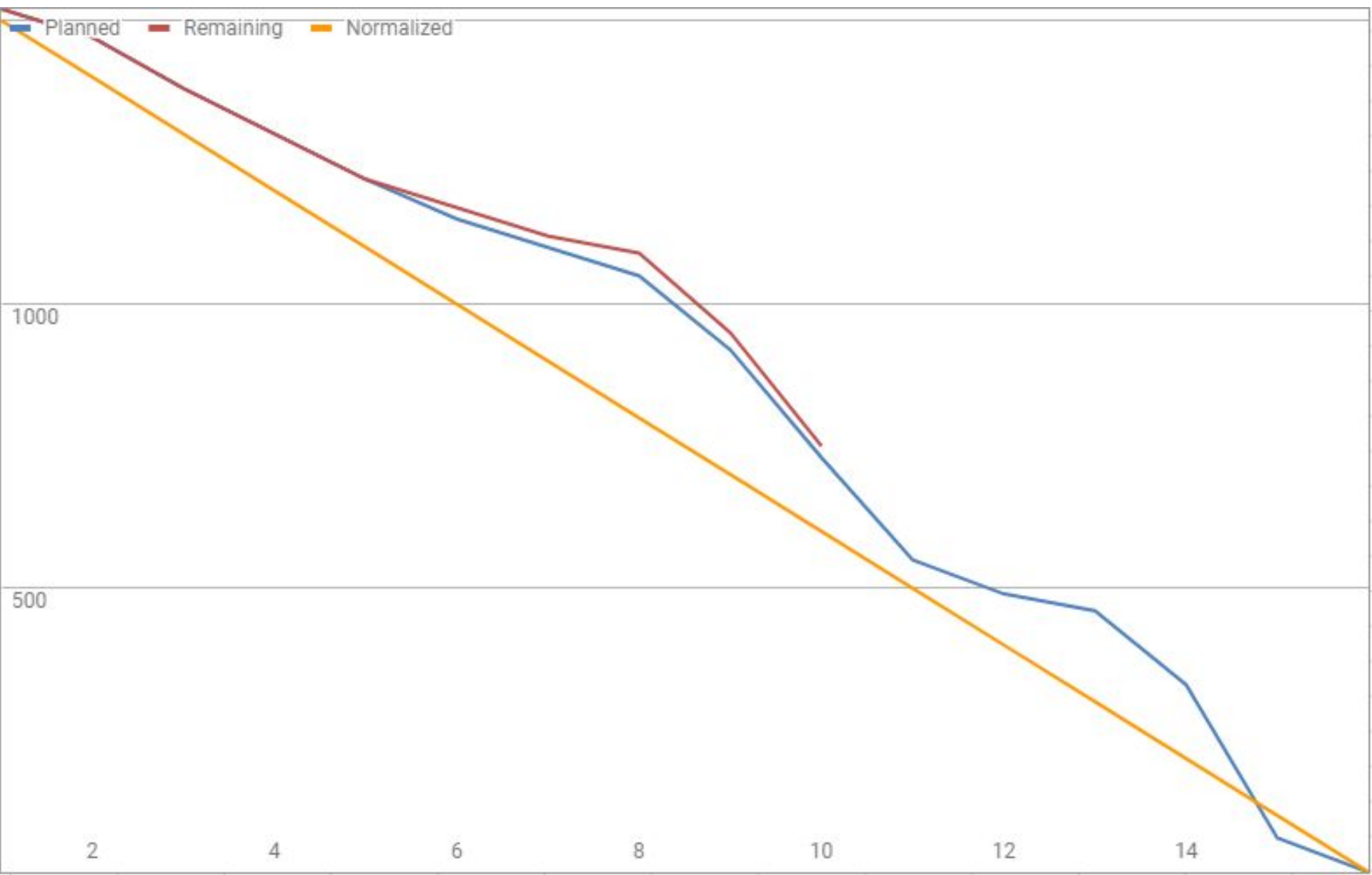


# Project Schedule

Deadline	Task / Deliverables	Allocation	Weight
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
11/8/2017		Week 11	180
	First demo presentation	All	40
	Implement other functionality (styling)	Kai	20
	Implement other functionality (photo uploading)	Zach	20
	Weekly Meeting	All	10
	Stylizer Queue Load Tested	Leo	20
	Help ensure all functions are working as intended	All	30
	Finalize UI design and submit	Zach/Kai	40



# Burndown Chart





# Project Risks

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





# Project issues

Issue	Owner	Action Plan	Checkpoint Date
Improve pages	Kai & Zack & Antonio	Improve page functionality and appearance	Continuous 11/8
Fully connect website, DB, stylizer	Kai & Zack & Brendon	Have an end to end system with file uploading and styling	Continuous 11/8
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