

Artistic Stylizer Platform

Week 12

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



Beautiful Team Picture





Decision Required

| | | |
|--------|------------------|---------------------------------|
| Green | Kai | Library auto-refresh |
| Green | Kai | Form and file upload validation |
| Yellow | Brendon | Fully support video styling |
| Yellow | Zack/Kai | Website animations |
| Yellow | Zack/Kai | Free user implementation |
| Yellow | Zack/Kai/Antonio | Query refactoring |
| Yellow | Zack/Kai/Antonio | Admin stats page |
| Yellow | Leo | Project Paper |
| Yellow | Leo | Google Hosting Setup |
| Red | Kai | API authorization headers |





Project Status

- Accomplishments
 - Improvements to library
 - Photo upload and form validation
- Blockers
 - Haven't set up Google hosting yet
 - API authorization
- Activities being worked
 - Platform statistics
 - Query refactoring for security
 - API authorization



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 |

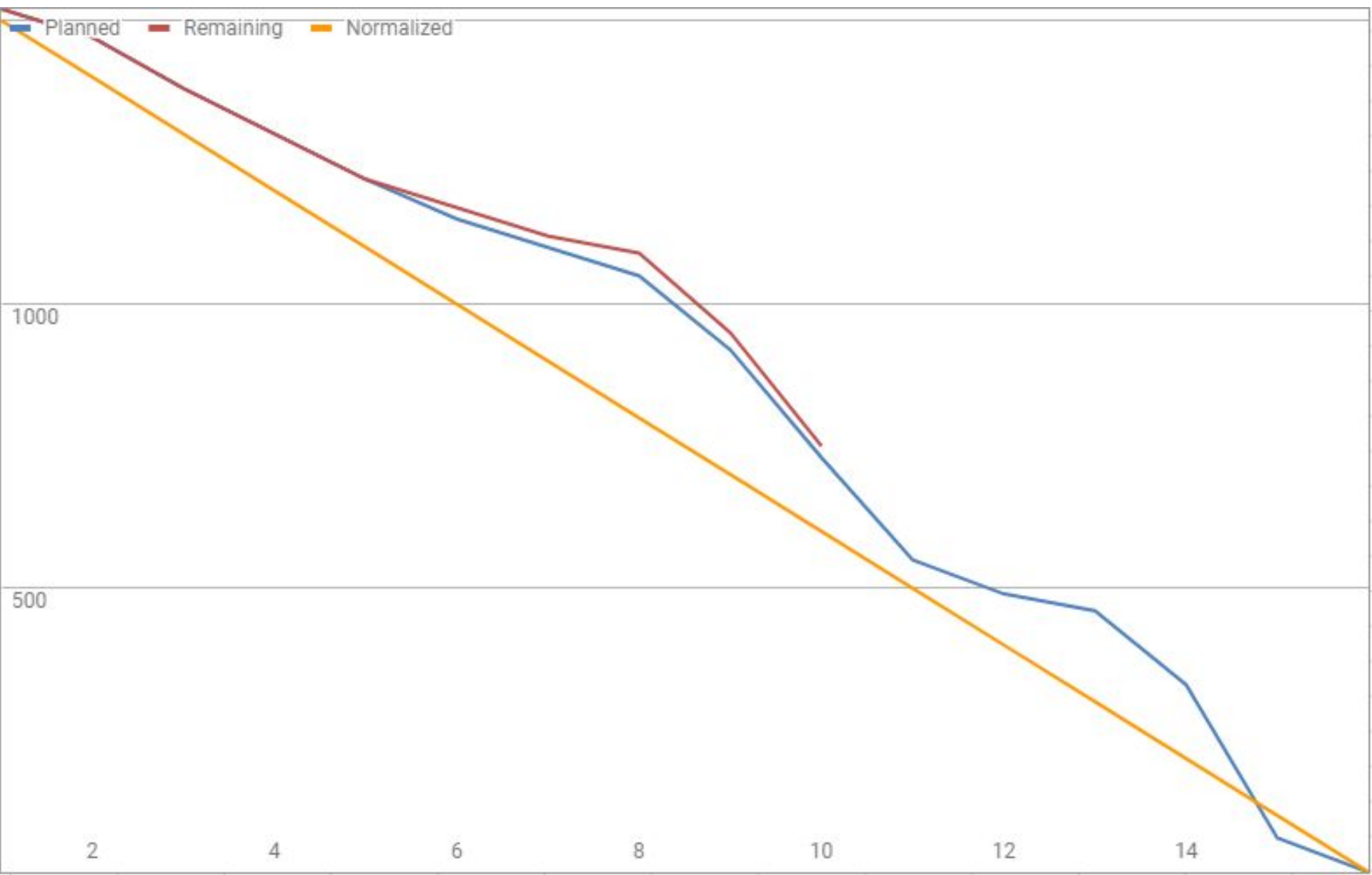


Project Schedule

| Deadline | Task / Deliverables | Allocation |
|------------|---|-------------|
| 11/15/2017 | | Week 12 |
| | Weekly Meeting | All |
| | Start work on project paper | Antonio/Leo |
| | Continue work on implementing/improving existing site and backend functionality | All |
| 11/22/2017 | | Week 13 |
| | Continue work on implementing/improving existing site and backend functionality | All |
| | Weekly Meeting | All |
| 11/29/2017 | | Week 14 |
| | All documentation required for the project in Draft form | All |
| | Continue work on implementing/improving existing site and backend functionality | All |
| | User validation tests to be performed by client documented | Leo |
| | Complete project prototype first-pass demo ready | All |
| | Weekly Meeting | All |
| 12/6/2017 | | Week 15 |
| | Complete final peer evaluation forms and submit | All |
| | Prototype Deep Learning Engine Complete | Brendon |
| | Prototype Admin Tools Complete | All |
| | Prototype Website Complete | Zack/Kai |
| | Prototype Database Complete | Leo/Antonio |
| | All documentation required for the project in FINAL form | All |
| | Final presentation | All |
| | Weekly Meeting | All |
| 12/13/2017 | | Week 16 |
| | Git er dun! | All |



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 | Medium | <ul style="list-style-type: none">• Sanitize inputs• Testing of site• Prepared statements with pg module |
| Servers run out of space or processing power | Medium | <ul style="list-style-type: none">• Run metrics |
| Database could be under provisioned | Low | <ul style="list-style-type: none">• Carefully load test |
| We could lose our vSphere License | High | <ul style="list-style-type: none">• ??? |



Project issues

| Issue | Owner | Action Plan | Checkpoint Date |
|---------------------|----------------------|--|-----------------|
| Improve pages | Kai & Zack & Antonio | Improve page functionality and appearance | Continuous |
| API modifications | Kai & Zack & Antonio | Modify queries, add authorization | 11/29 |
| Platform statistics | Everyone | Work on supporting and writing queries and implementing backend for statistics | 11/29 |
| Help pages | Antonio / Leo | Work on user documentation for website | 11/29 |



Lessons Learned

| Lessons Learned | Corrective Action / Recommendation |
|---|------------------------------------|
| Video styling takes a long time | Not care |
| Performing file upload validation is a pain | Bang head |