

Product Requirements Document

<Product Name>

<authors><emails><date>

Summary

1-2 sentences

Project Description

2-3 paragraphs. Motivate the problem, define your solution idea, describe how your solving it.

User Experience

What will people experience when they try your product?

Deliverables

Describe the features of your product in three phases:

- **Minimum Viable Product:** A minimum viable product (MVP) is a product with just enough features for a worthwhile and successful launch. `` You've removed all the non-essential "nice to have" features.
- **Target Product:** What are you committing to ship/demo in the end of the class. (you will be graded based on achieving these)
- **Stretch Goals:** If you finish early, what extra features do you want to pursue?

Performance Metrics

How will you evaluate if your product is operating as intended? E.g., Functionality, Performance, User Experience, Accuracy, Realism, Stability, Effectiveness.

Milestones

Week 1 (Mar 29 - Apr 2), Week 2 (Apr 5 - Apr 9), Week 3 (Apr 12 - Apr 16), etc.

Each week should have a one line milestone description, and a list of responsibilities for each named team member. Aim to have a Minimum Viable Product (MVP) by end of week 6 (i.e. 6th of May)

Materials and any external help needed

3D Assets - <https://courses.cs.washington.edu/courses/cse481v/19sp/links.php>

Paid Software - (e.g. Maya(3D modeling), Gcp(cloud computing))

Scanning

Hardware - (e.g. webcams, sensors)

Outside Expertise

...

Budget

List all items that you will need to purchase, for example, 3D assets, software, or hardware. Try to be as specific as possible (if you have already identified specific items, please include links to assets, online store pages, amazon links etc.).

Once we approve your budget (typically < \$500, but exceptions are possible), you will be able to make purchases without further approval.

If you are not sure what exactly you will need yet, providing an estimate is OK. Teams can change the budget section during the quarter but increasing your budget will require further approval.

Risks and how they will be addressed

Describe at least three major risks to your plan. For each one, categorize it as **low**, **medium**, or **high**, and describe mitigations -- if Plan A doesn't work, we will execute Plan B, etc.