***Description***: image processing/analysis application with a wide range of tools for image manipulation and interpretation

***Application Type***: web app

***Project Resources***: Python, HTML, CSS, JavaScript, OpenCV, scikit-learn/TensorFlow/PyTorch (ML specifics TBD)

***Foundational Features***:

* **User authentication**
* **Project lifeline**
  + Upload
  + Save to gallery
  + Download/share
* **Basic image processing/manipulation**
  + Image statistics
  + Filters
* **User feedback**
  + Feature request
  + Bug report

***Advanced Features***:

* **Machine Learning**
  + Object classification/detection
  + Resizing/enhancement (GAN)
  + Object removal/image extension (restoration)
* **Video analysis** (beyond single frames)
  + Motion tracking (?)
  + Stabilization

***Distribution/Marketing***: free and open source, possible social media account to keep track of and promote new features/interact with users more personally

* **Marketing**
  + Instagram account
  + Logo design

***Scope Change Record***

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| **Date - Time** | **Notes** |
| 8/29/23 – 9:51am | Initial scope document created |
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