B25 Flight Simulator Project

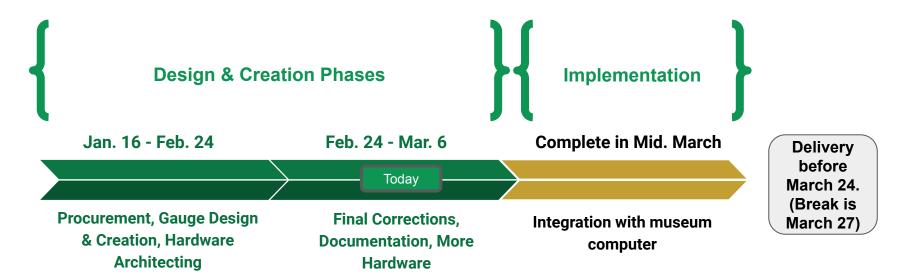
National Museum of WWII Aviation

Milestone #2

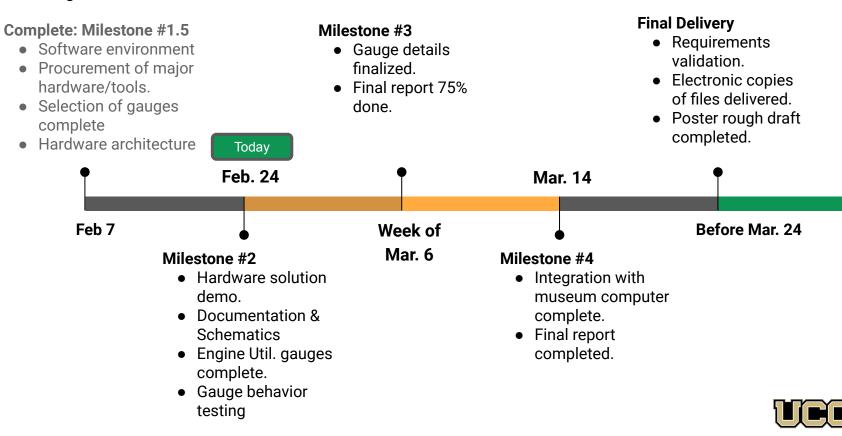
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Project Phases (updated)



Project Timeline



Milestone Accomplishments

- Gauges are complete, behaviors are fine-tuned.
 - Engine gauges complete
 - Main fuel gauge completed
- Analog hardware demoed.
- Provisional documentation completed, will deliver today for review.
 - Hardware flight inputs documentation
 - Gauge creation documentation
- Testing solution
 - P3D Sim director Automated Recorded Flights ("flight instructor" mode), with video recording of gauge behavior with flight view (recorded with OBS).
 - Air Manager variable viewer.



Engine Utility Gauges Version B25-B

- *Example Gauges for portside engine (#1 engine).
 - Process to make other engine is simple:

Clone portside gauge clone and change engine number variable.



Gauge Testing Solution

Air Manager Variable Viewer

 Allows for quick evaluation of gauge accuracy.

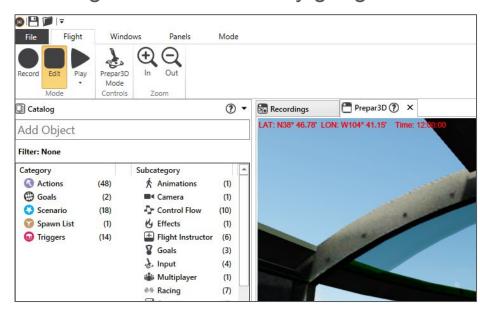


Gauge Testing Solution

P3D Sim Director Flight Recording

P3D can automatically "re-fly" user flights. Allows for easy gauge behavior

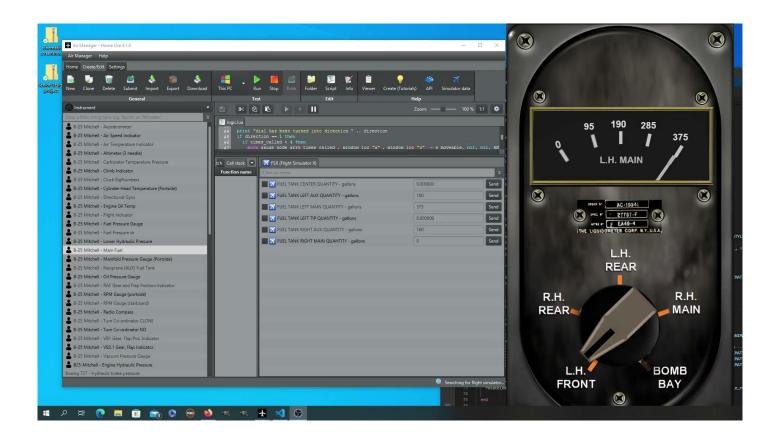
evaluation.



Gauges In Flight Video



Fuel Gauge Demo (4 tanks)



End of Project Deliverables

- Gauges working on a museum computer.
- Final Report, on paper and electronically delivered.
 - Design Description and Extension/Integration guide
 - User manuals
 - Schematics
 - Copies of course deliverables (copy of poster and copy of final PowerPoint).
- Digital copy of code files and graphics that were used.
 - Delivered on USB drive and/or a online repository.
 - Will contain gauge packages and separate gauge graphics repository (folder).





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