# PROJECT 4

GOAL
To explore and new innovative technologies, conduct research and learn how to develop for your chosen technology using user experience methods. Resulting in a 5 min video about your design and submitting it to the HCI 2018 Student Design competition.
http://2018.hci.international/student-design-competition

SKILLS
- Conduct research and summaries your findings
- Develop a clear project proposal
- Demonstrate understanding of UX and Design principles
- Explore developing a new (to you) technology using an agile work flow.
- Presenting your work through a video
- Submitting work to an academic design competition

REQUIREMENTS:
[ ] **Initial research:** Pick a technology area to design for. Then research different applications of products or services to narrow down what you want to create.
*(1.) IoT and Smart Home Tech, (2.) AR and VR, (3.) Machine Learning, (4.) Automation, (5.) Humanized Big Data. (visual, empathetic, qualitative), (6.) Physical-Digital Integrations, (7.) Everything On-Demand, (8.) Wearables .*
[ ] **Develop a project proposal:** include your chosen technology, UX and usability methods you will use, What you plan to create, and how you plan to present it with check point dates to show progress.
[ ] **Conduct initial UX/usability research** (Keep a log of resources uses)
[ ] **Develop personas and scenario/storyboards**
[ ] **Design the User Interface**
[ ] **Conduct UX/usability research**
[ ] **Iterations of design and development**
[ ] **Process book:** Include all major steps of your project to explain your design process.
*(Initial research, project proposal, UX/Usability protocol/data analysis, personas, scenarios/storyboards, any Sketches/wireframes or prototypes, user interface designs, Iterations of design/development and final product.)*
[ ] **Develop up to a 5-minute video** clip in MP4 format that presents your design idea, including statements and elaboration of the objective, method, innovation, and outcome.
[ ] **Submit to HCI** Student Design Competition before the 15th of January 2018.

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DELIVERABLES  **Google classroom:** The Project Proposal and Process book will be turned in on google classroom as PDFs. Turn in the 5min video as a Mp4 file.
*Please pay attention to layout, typography, and hierarchy of all project deliverables.*

**Final Product** will be delivered based on your project proposal if web based should be hosted on a accessible server on-line.

**Video Specifications**
- Duration: up to 5 minutes
- Resolution: 1280 x 720 minimum with 16:9 aspect ratio
- Frame rate: 30 fps maximum
- Format: H.264 encoded MP4
- File size: 200 MB maximum

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DUE DATES  *Initial research:* **Mon 10/30**
*Project proposal:* **Wed 11/1**
*Final Critique:* **Mon 12/4** *(Design and Video explaining your work 99% done)*
*Final product, Process Book, and video:* **Monday  12/11 Final 3:30pm-5:30pm**