1. Need: Good, but succinct, explanation of and insight into client (and user) needs and issues:
   1. Why is this a real problem and how do current approaches / solutions fall short?
2. Outcome: Desirable & Viable; Does the team’s design improve the situation:
   1. Does it address the problem/challenge?
   2. Is it practical, safe, easy to use, elegant?
   3. Is it cost effective to fabricate, deploy, operate, supply ...?
   4. Honest fact-based overview of the strengths / weaknesses / competition.
3. Engineering/Design Merit& Prototyping: Creative and quality implementation / assessment
   1. Signs of creativity and/or design merit: adopting and adapting, combining, or applying a variation of existing technologies or approaches to improve the client’s unique outcomes
   2. Quality/convincing prototype(s) and/or evaluations adding impact to any or all aspects of the presentation.

Our Topics: Needs/objective, wildlife, accessibility, shape/ innovative design, internal comforts, summary / wrap up

Showcase Presentation:

Intro Needs/Objective (Melissa):

* Our clients the Nature Conservancy of Canada have asked for a hide for the conservation site of Pelee Island
* This hide would be used for visitors to view the wildlife of the Pelee Island conservation site
* During the warmer Canadian month's visitors need a place to watch the wildlife
* These hides have been made in many places around the world but there are currently non in Ontario, and this would be the first one
* Our objective is to create a hid that gives visitors the ability to safely and comfortably view wildlife
* Most hides take over animals' habitats however our hide is fully integrated into the environment and gives animals the ability to interact with the hide itself to make sure animals habitats are safely conserved

Risk: (Russell)

* Though our risk analysis, we have 7 major short term and long term risks; Rot, disturbing wildlife, flood, littering, going overbudget, birdwatchers being too noisy, and the interior benches getting stolen
* To mitigate these risks, we focused on education and reducing mitigation strategies
* By using informative signs, we can encourage proper disposal of trash and advise people to be aware of safe noise levels
* Combining these signs with animal proof garbage cans and a sound wall, these threats are heavily alleviated
* Furthermore, by raising the structure of the hide we can reduce the impact of potential floods. We can continue to limit to impact of these risks by choosing a location away from bodies of water and using environmentally friendly chemically treated wood.

Wildlife (Nikhil):

* Artificial bird nests for barn swallows
* Space between bottom of hide and ground where grasses and small animals could be
* Space in roof for birds, bats, and bugs depending on what was added (For example, Bat boxes)

Accessibility (Jason):

* Inclusive environment for everyone to enjoy
* Different heights of windows
* Ramp for wheelchairs, within industry standard for slope
* Wide door for both people and wheelchairs to be able to enter
* Stools for people to be able to view and move around to different windows

Shape/Innovative Design (Samuel):

* Hexagonal design for better field of view
* Design could be literally stacked if used in other locations
  + Alternatively could be simply placed together in a ‘honeycomb’ manner
* Raised from the ground to reduce damage from flooding
* Gutter system to direct rainwater away from roof & visitors
* Leaf guard on gutters to reduce maintenance
* Windows can open so both sides can be cleaned with ease

Internals + Summary:

* Short benches for sitting
* Wrap-around interior shelf
* Leaning benches
* Coat hooks
* Animal proof garbage cans
* Partition wall
* Summary sentence or two