What is Design/Build/Fly?
AIAA Design/Build/Fly is an annual international remote-controlled aircraft competition that allows teams to apply their analytical skills and showcase their cooperative efforts in building real-world aircrafts. Students must design, manufacture, and demonstrate the flight capabilities of an aircraft that can perform in a series of different flight scenarios.

Goals and Objectives
- Design an aircraft based on the given rules and constraints
- Develop and apply innovative, practical, and affordable fabrication techniques
- Document and compile design, manufacturing, and testing process into industry-standard written report

Requirements and Constraints
- Must have a maximum wingspan of 5 feet
- Takeoff within a 20 ft for 2 of the missions
- Total battery capacity of 200 watt-hours
- Banner must have a maximum aspect ratio of 5

Payload 1
- Estimated 250”x 50” banner

Balsa Wing
- Laser cut balsa ribs ensure consistent and quick production
- Lightweight, able to withstand over 4Gs of force during flight

Payload 2
- Passenger & Luggage

Timeline
- October 31, 2019: Submit Proposal
- February 21, 2020: Submit Design Report
- April 16-19, 2020: Contest Fly-Off

Project Costs & Expenditures
- Grand Total: $7100

Team Members
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