Solenoid actuator design and integration in a foldable haptic interface

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1 student or 1 team of 2 students
Tasks/Objectives:

- Propose a solenoid-based or voice coil actuator configuration convenient for actuating foldable systems

- Estimate actuator performance through FEM (Finite Element Modeling) or analytical formulas

- Define a fabrication method for the proposed actuator

- Manufacture the actuator

- Characterize actuator performance and verify theoretical results

- Integrate the actuator in the foldable system