ASSIGNMENT 1: PROJECT PROPOSAL

Problem

Pingpang fans sometimes find it difficult to have someone play pingpang with them. Also, it's kind of difficult for many of them to improve their skills, since no professional instructors offer them timely and correct instructions on techniques.

Solution

Pingpang robot can be a perfect solution to this problem. whenever you want to play pingpang, what you need is just a pingpang table and this robot. It will play with you for as long time as you like without being exhausted.
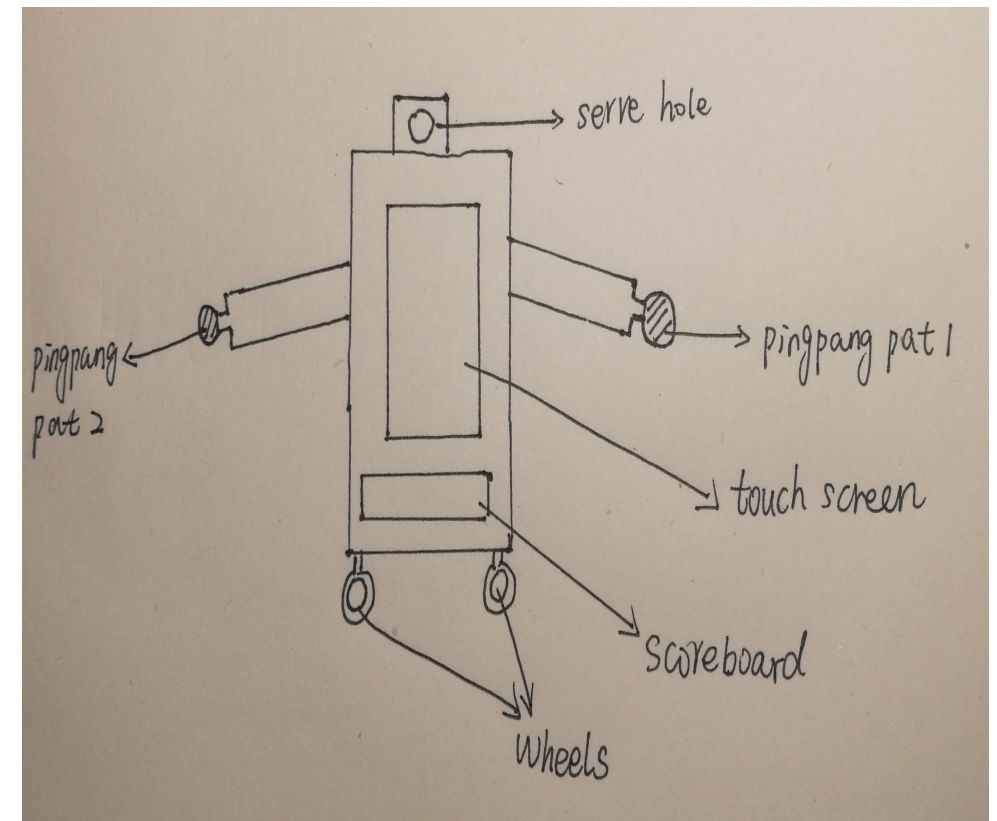
Customers & Users

Our customers and users include pingpan fans who want to play with good players and those who want to polish their pingpang skiils with professional guidance.

Key metrics

1. successful return rate
2. precision of ball location
3. precision of return speed
4. precision of spin control
5. reaction speed
6. moving range and flexibility

Sketch

Specs and capabilities

1. varioius modes to match different user levels
2. dynamic analysis of user playing habits
3. professional suggestions for polishing skills
4. stability of high quality serve and return
5. speciality for special technique practice