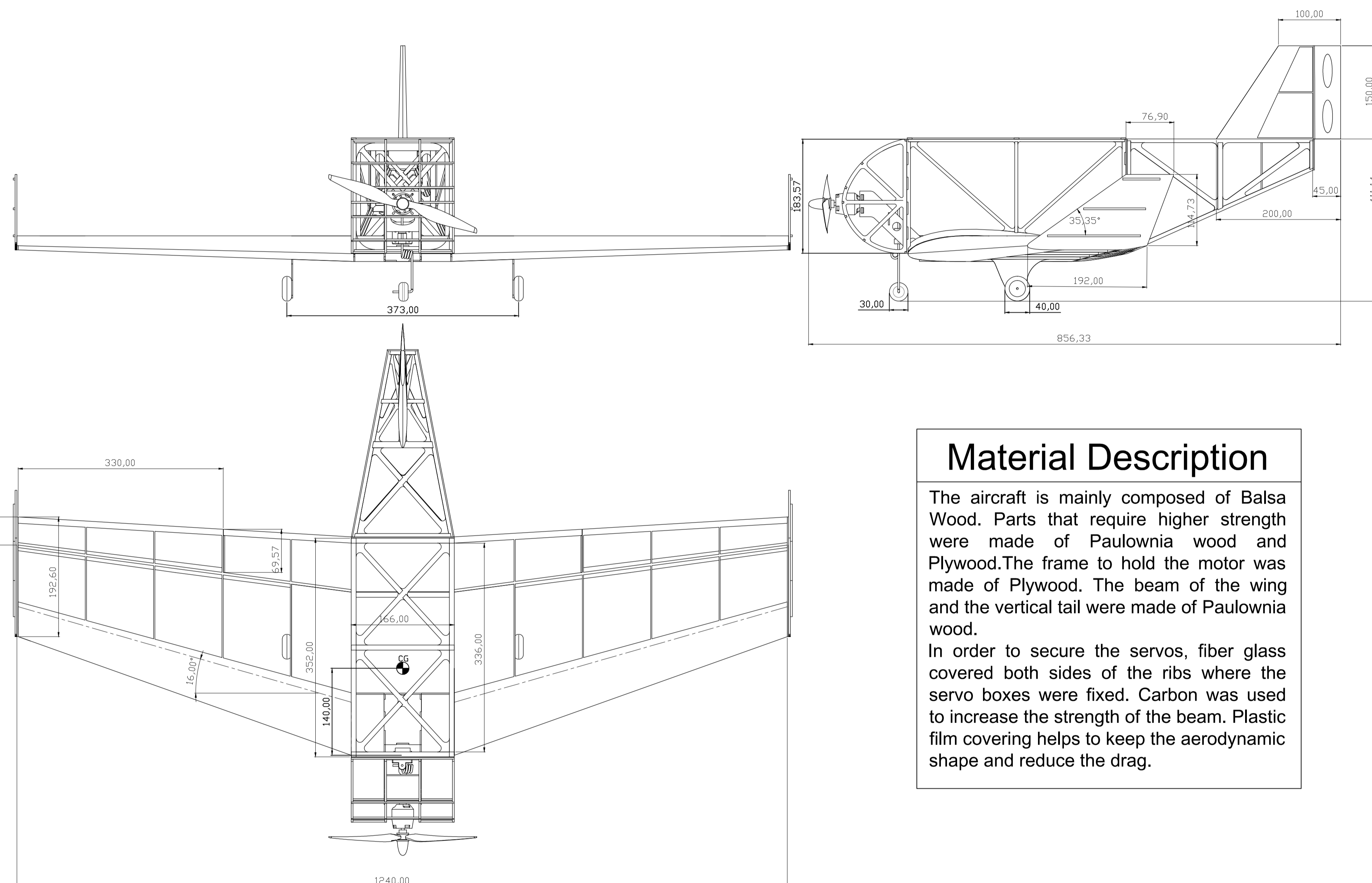


Team	Tsing Hua & Beihang Aeromodelling Team
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Title	Overall Drawing
Scale	1:1.2
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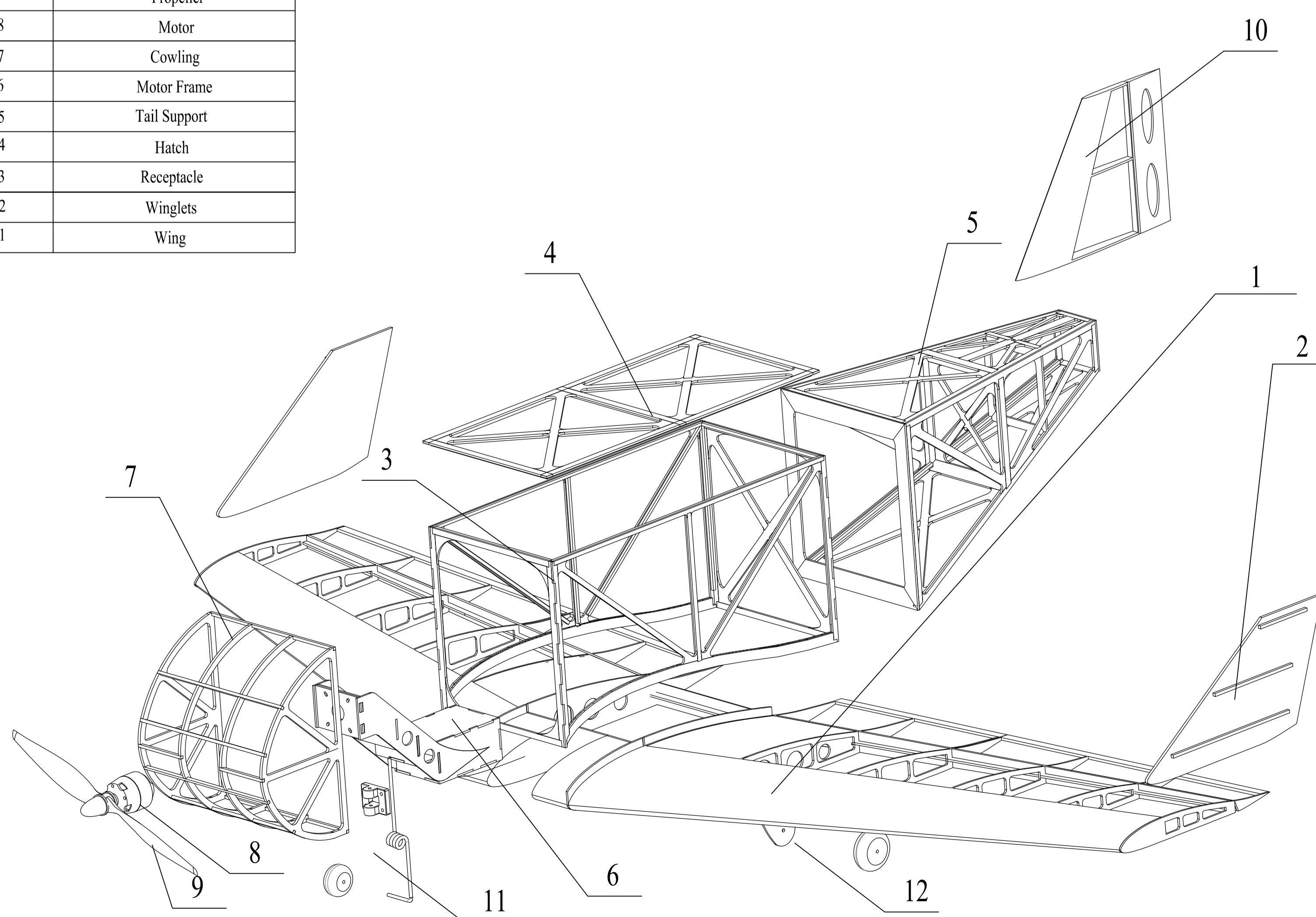
Material Description

The aircraft is mainly composed of Balsa Wood. Parts that require higher strength were made of Paulownia wood and Plywood. The frame to hold the motor was made of Plywood. The beam of the wing and the vertical tail were made of Paulownia wood.

In order to secure the servos, fiber glass covered both sides of the ribs where the servo boxes were fixed. Carbon was used to increase the strength of the beam. Plastic film covering helps to keep the aerodynamic shape and reduce the drag.

Team	Tsing Hua & Beihang Aeromodelling Team
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12	Main Landing Gear
11	Nose Landing Gear
10	Vertical Tail
9	Propeller
8	Motor
7	Cowling
6	Motor Frame
5	Tail Support
4	Hatch
3	Receptacle
2	Winglets
1	Wing



Manufacture/assembly notes

The receptacle fits perfectly in the middle of the wings.

Tail Support is glued securely to the rear of the receptacle. The propeller projects out of the nose of the aircraft.

Motor is screwed tightly to a board of thick plywood that in turn is fixed at the base.

The aircraft has a tricycle landing gear.

Ailerons are taped to the wing. Winglets are fixed at the wing-tips.

Hatch acts as a lid for the receptacle.

Team	Tsing Hua & Beihang Aeromodelling Team
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Title	Detail Drawing
Scale	1:1.4
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