

# CHITTAGONG UNIVERSITY OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Assignment- 06

Topic: Mouse, Advanced Surface Modeling, Vent, Y-Joint

ME – 272

CAD and Design Softwares

Prepared by -

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ID : 2003091

Level : 2

Term : 1

Section : B

Group : B2

Submitted to -

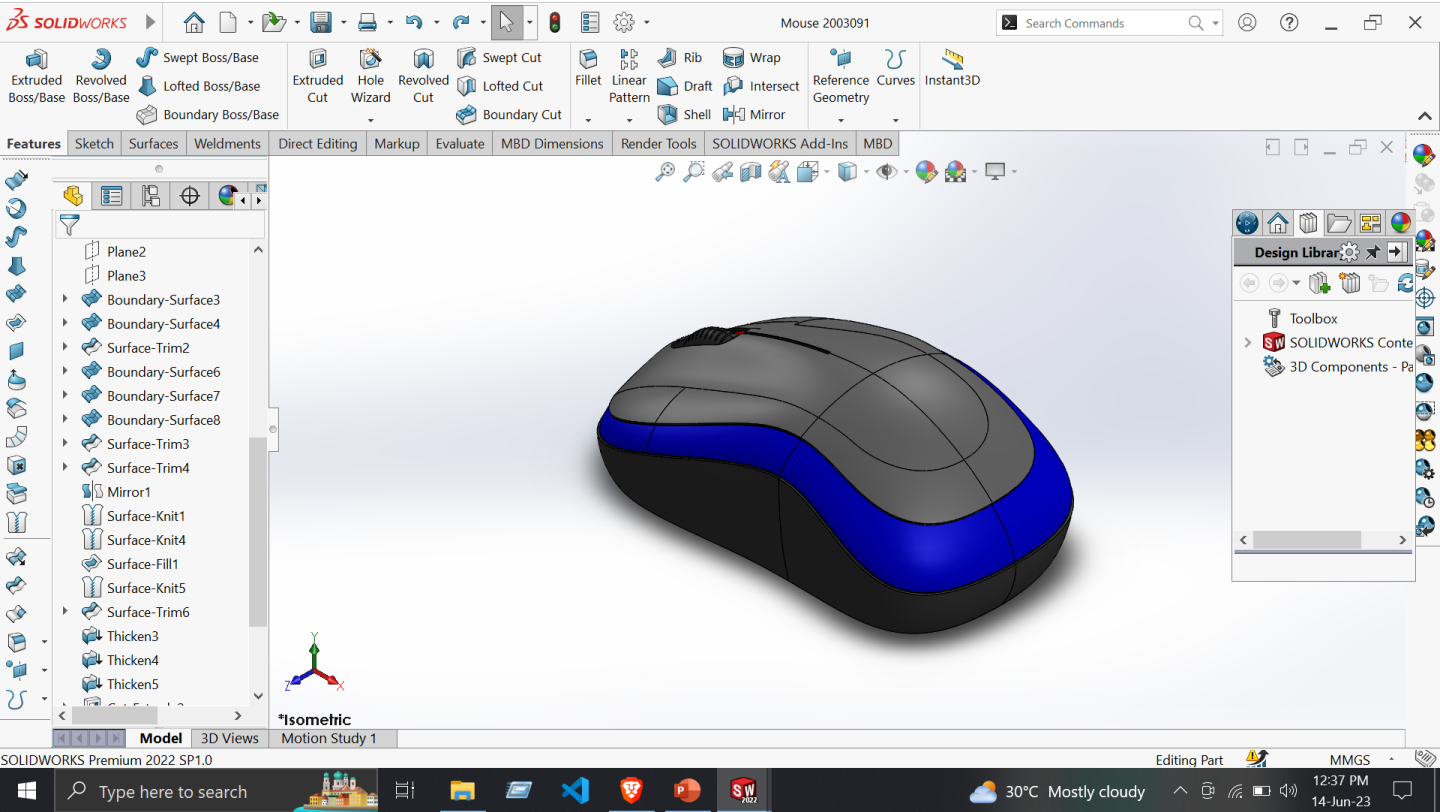
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# 1. Mouse



## Tools:

1. Line
2. Circle
3. Spline
4. Smart Dimensions
5. Covert Entities
6. Trim Entities

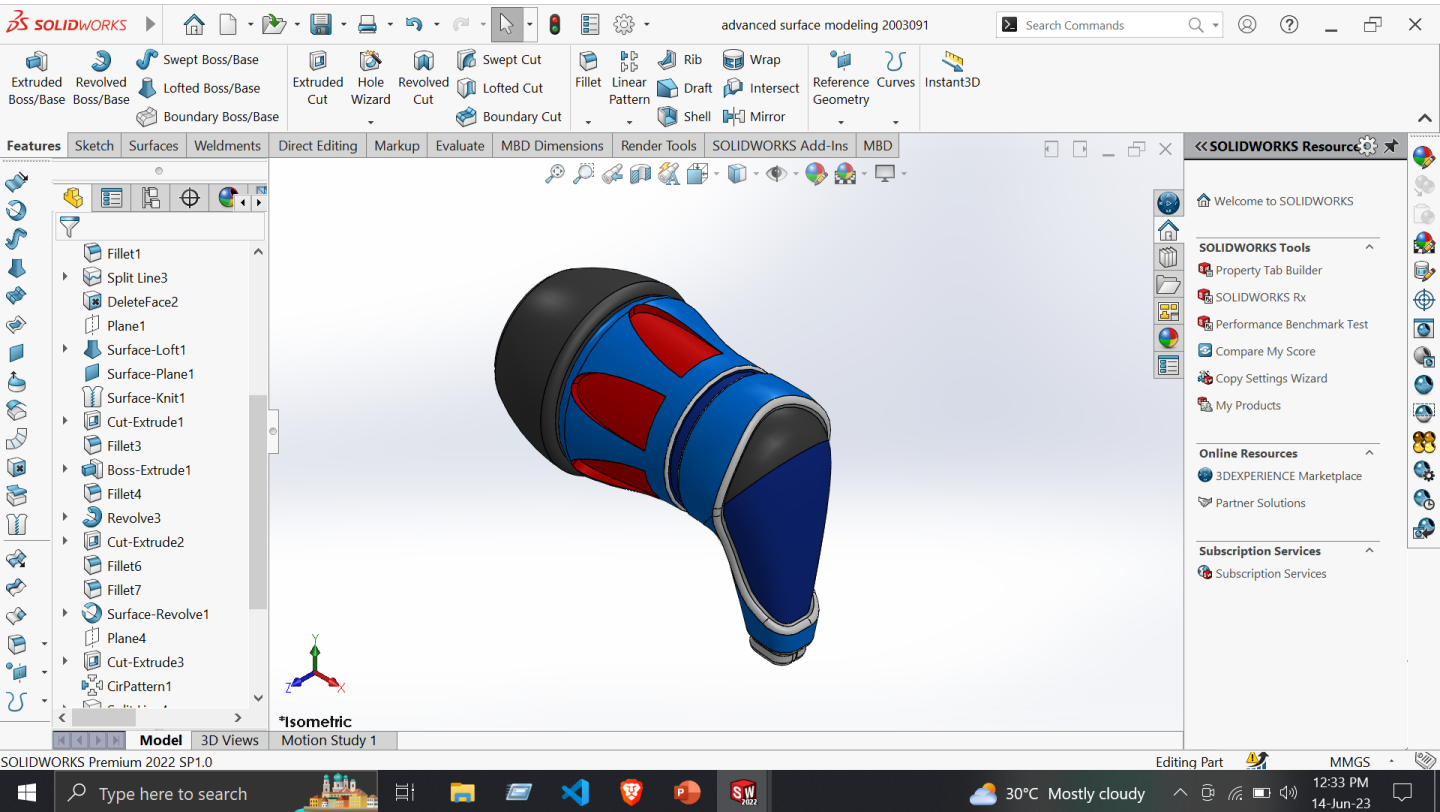
## Features:

1. Extruded Cut
2. Fillet
3. Circular Pattern
4. Mirror

## Surface:

1. Extrude surface
2. Boundary surface
3. Filled surface
4. Trim Surface
5. Knit Surface
6. Thicken

## 2. Advanced Surface Modeling



### Tools:

1. Line
2. Circle
3. Rectangle
4. Smart Dimensions
5. Covert Entities
6. Trim Entities

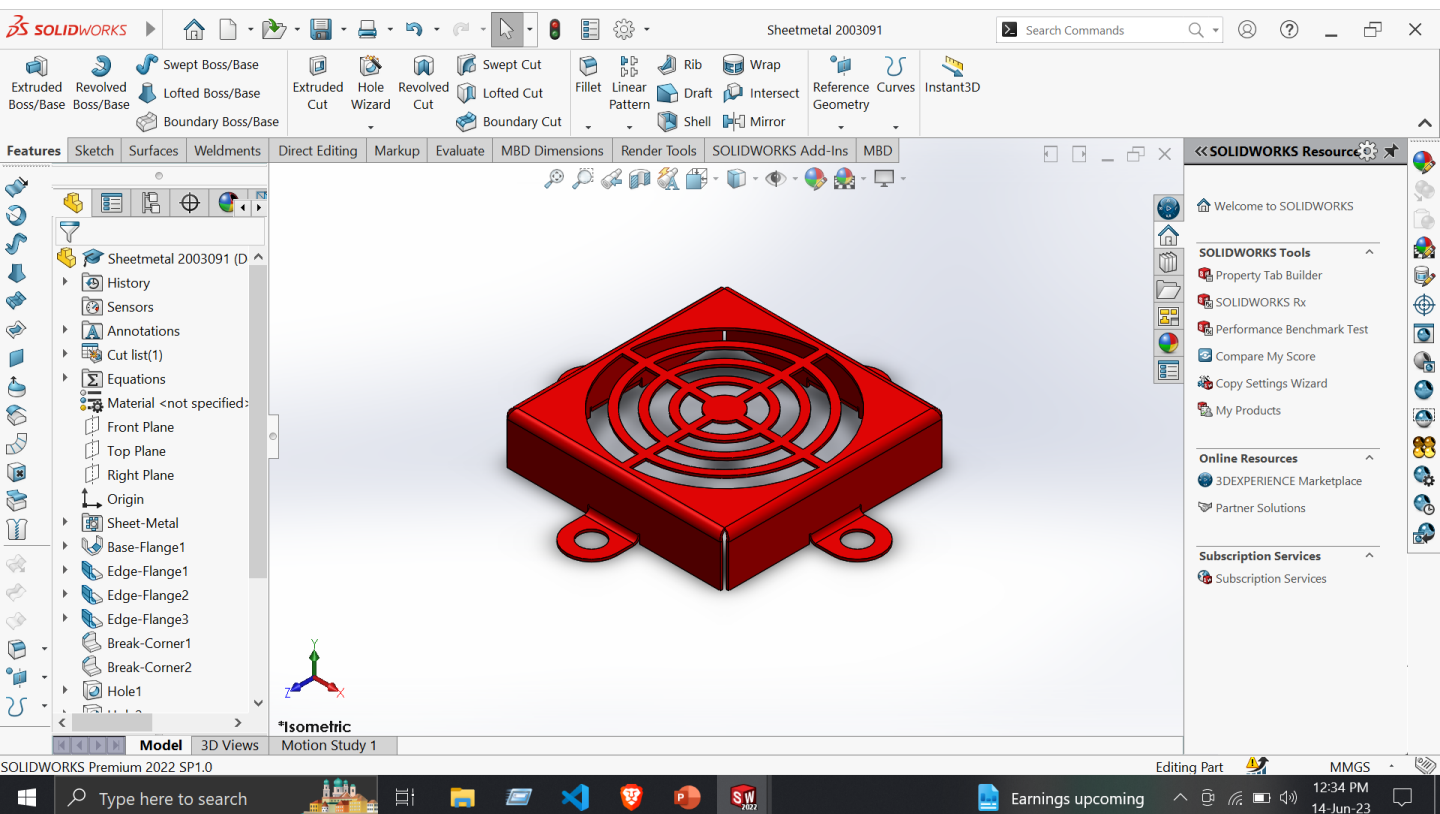
### Features:

1. Extruded Boss/Base
2. Fillet
3. Shell
4. Revolved Cut
5. Reference Geometry

### Surface:

1. Extrude surface
2. Boundary surface
3. Filled surface
4. Trim Surface
5. Knit Surface
6. Thicken Cut
7. Delete Face
8. Revolved Surface

### 3. Vent



#### Tools:

1. Line
2. Circle
3. Rectangle
4. Smart Dimensions

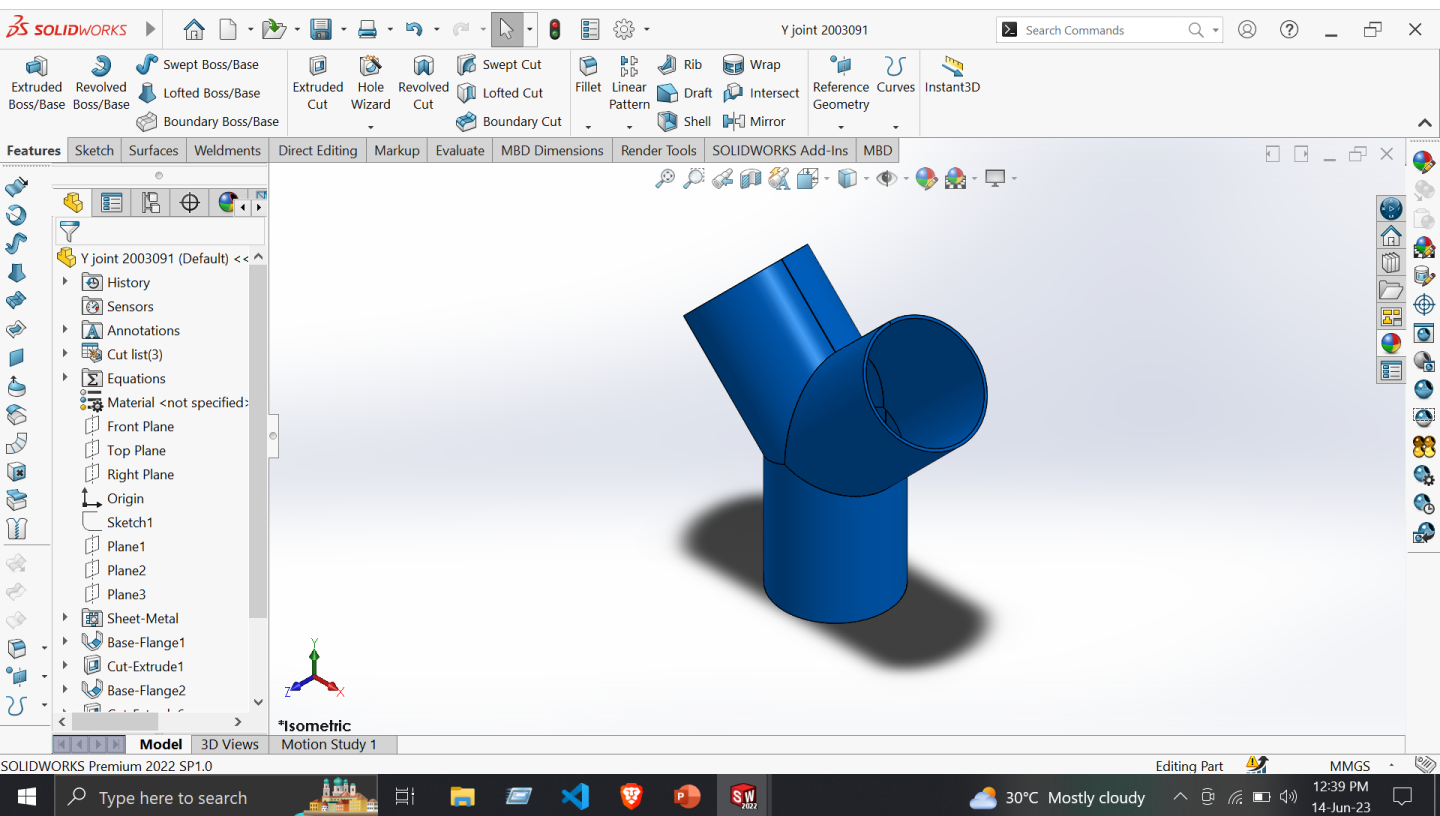
#### Features:

1. Mirror
2. Hole
3. Fillet
4. Extruded Cut

#### Sheet Metal:

1. Base Flange
2. Edge Flange
3. Break Corner
4. Vent
5. Hole
6. Flat Pattern

## 4. Y Joint



### Tools:

1. Line
2. Circle
3. Spline
4. Smart Dimensions

### Features:

1. Extruded Cut

### Sheet Metal:

1. Base Flange
2. Flat Pattern
3. Base Bend