CyclePricing

**Subcomponent Type:**

1. Frame:

frameType : steelFrame,fibreFrame

1. wheel

tyreType: tubelessTyre,tubedTyre

spokeType: StraightGaugespokes,SingleButtedSpoke

rimsType: tabularRim,clincherRim

1. Seat

seatSize: largeSeat,smallSeat,mediumSeat

1. HandleAndBrake

handleType: flatHandle,riserHandle

1. chainAssembly

gear: GearLess,twoGear,threeGear,fourGear

chainType: alloySteel,plainCarbon

**Design Pattern** **Used:** Builder Pattern

**PRICE:**

Default Price Range is till 30-11-2020 afterward price of each component will increase by 30 Rs with every year.

|  |  |
| --- | --- |
| **SubComponent** | **Price** |
| alloySteel | 200 |
| chainAssembly | 200 |
| clincherRim | 200 |
| coastBrake | 300 |
| discBrake | 300 |
| fibreFrame | 300 |
| flatHandle | 300 |
| GearLess | 200 |
| twoGear | 200 |
| threeGear | 400 |
| fourGear | 500 |
| largeSeat | 600 |
| mediumSeat | 400 |
| plainCarbon | 200 |
| riserHandle | 300 |
| smallSeat | 300 |
| steelFrame | 300 |
| tabularRim | 200 |
| tubedTyre | 300 |
| tubelessTyre | 400 |
| spoke | 100 |
| StraightGaugespokes | 100 |
| SingleButtedSpoke | 150 |

**Input**:JSON Format:

{

"frame": [

{

"frameType": "steelFrame"

}

],

"wheel": [

{

"tyreType": "tubedTyre",

"spokeType": "spoke",

"rimsType": "tabularRim"

}

],

"seat": [

{

"seatSize": "smallSeat"

}

],

"handleAndBrake": [

{

"handleType": "flatHandle",

"brakeType": "coastBrake"

}

],

"chainAssembly": [

{

"gear": "GearLess",

"chainType": "alloySteel"

}

],

"orderDate": "22-01-2019"

}

**Main class path**

com.main.sDemo.class

**Need to provide Json file path in input argument to getDesiredfResult class**