

Use Case: Customer orders bike with upgraded warranty
Actors: Receptionist
Actor description: The receptionist interacts with the customer and the system and can process + access orders
Goal: For the customer to successfully place an order

Description: The customer wants to place an order for a new bike. They select the bike type and choose the individual components for the bike and the receptionist enters them into the system. The customer decided they want an upgraded warranty, so the receptionist adds it to the order. The system displays the total cost and estimated completion time. The customer agrees to the cost and timescale, so they provide their personal information and pay a 10% deposit. The deposit is successfully processed the order is complete. The system generates a receipt detailing the order and remaining balance

Use Case: Customer orders multiple bikes
Actors: Receptionist
Actor description: The receptionist interacts with the customer and the system and can process + access orders
Goal: For the customer to successfully order multiple bikes

Description: The customer wants to place an order for three bikes. After selecting the bike type they choose the individual components for the first bike and the receptionist enters them into the system. The customer decided they want an upgraded warranty for this bike, so the receptionist adds it to the order. The same process occurs for the next two bikes. The customer does not want an upgraded warranty on the 2nd and 3rd bike so it is not extended. The system displays the total cost and estimated completion time. The customer agrees to the cost and timescale, so they provide their personal information and pay a 10% deposit. The deposit is successfully processed the order is complete. The system generates a receipt detailing the order and remaining balance

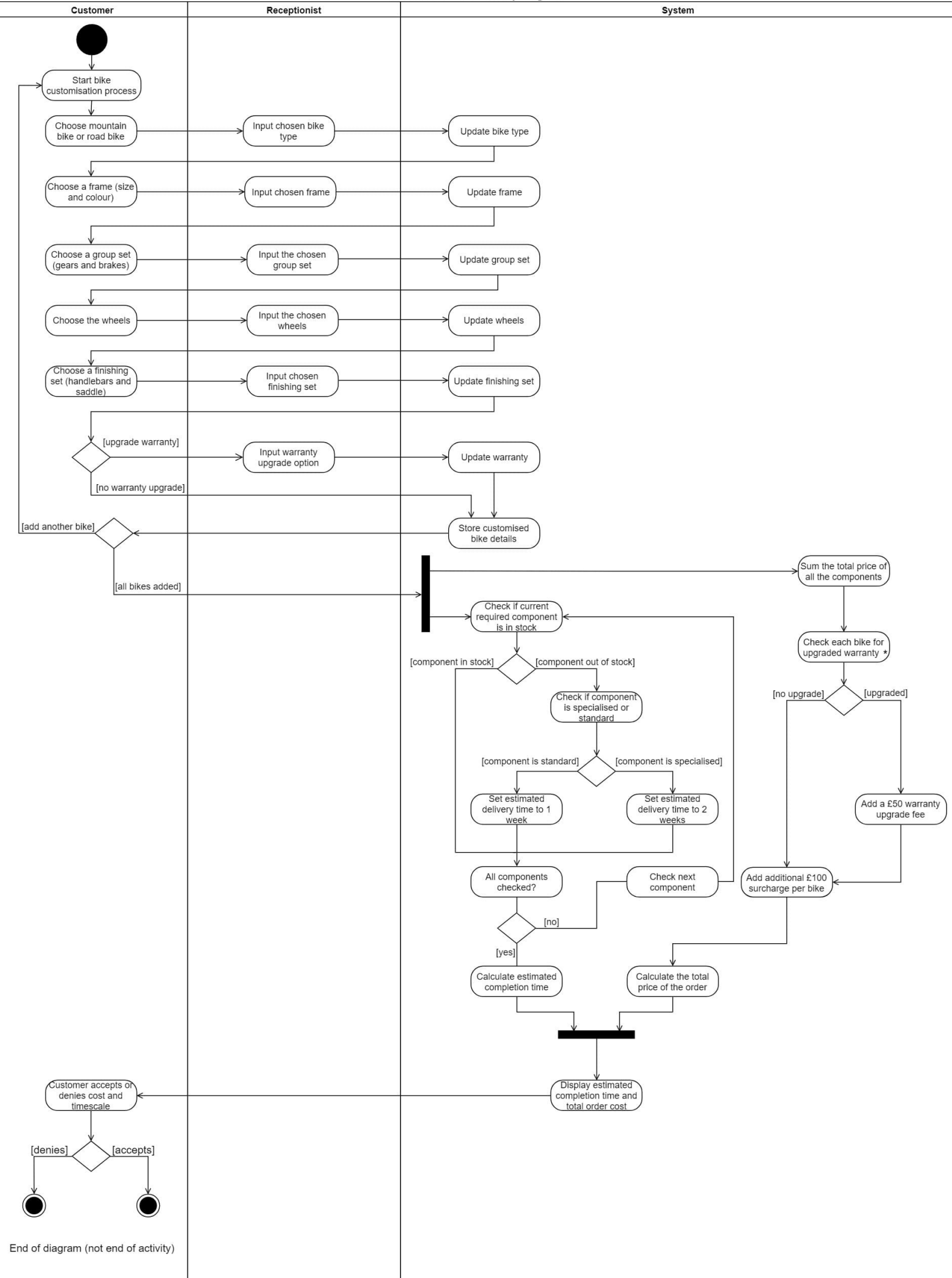
Scenario 1 (Successful):

- Jim decides to build a road bike
- Pam opens a new order and starts processing it by entering in the bike type
- Jim chooses each component for the bike while Pam adds each component to the order
- Jim decided to upgrade the warranty to 3 years
- Pam upgrades the bike warranty length to 3 years, £50 is added to the total order cost
- Jim does not want to add any additional bikes to the order
- Pam completes the first stage of the order
- The system displays the total cost (£1050) and estimated completion time (1 week)
- Jim agrees to the cost and timescale
- Pam enters Jim's details
- Jim's 10% deposit (£105) gets processed and is successfully paid
- The system generates a receipt detailing the order and remaining balance
- Pam gives Jim the receipt

Scenario 2 (Unsuccessful):

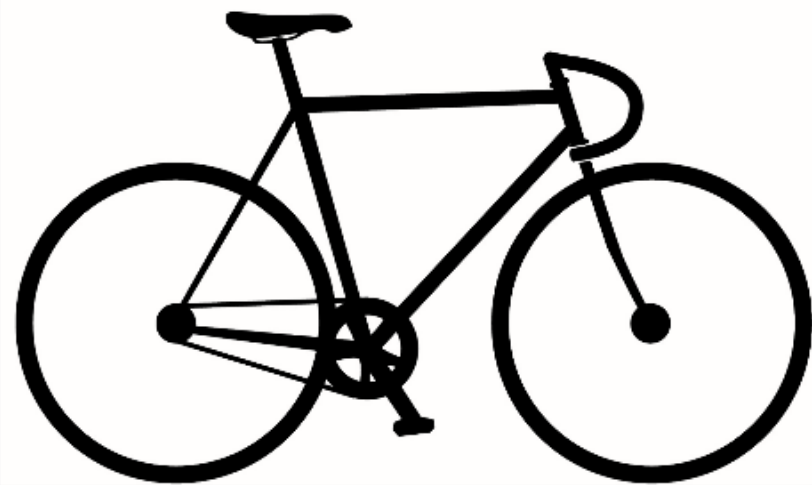
- Michael decides to build a mountain bike
- Pam opens a new order and starts processing it by entering in the bike type
- Michael chooses each component for the bike while Pam adds each component to the order
- Michael decides not to upgrade the warranty
- Michael wants to add a mountain bike to the order
- Pam adds the mountain bike to the order and starts the customisation process
- Michael chooses each component for the bike while Pam adds each component to the order
- Michael wants to upgrade the warranty on the mountain bike
- Pam upgrades the warranty on the mountain bike, £50 is added to the total order cost
- Michael does not want to add any more bikes to the order
- Pam completes the first stage of the order
- The system displays the total cost (£2150) and estimated completion time (2 weeks)
- Michael agrees to the cost and timescale
- Pam enters Michael's details
- Michael's 10% deposit (£215) gets processed and the payment request is rejected as there is not enough money on the card
- Michael has no other method of payment, so the order is cancelled

Build a Bike UML Activity Diagram





Mountain Bike



Road Bike

Select the type of bike to get started!



Nukeproof Scout 290
Frame 2018



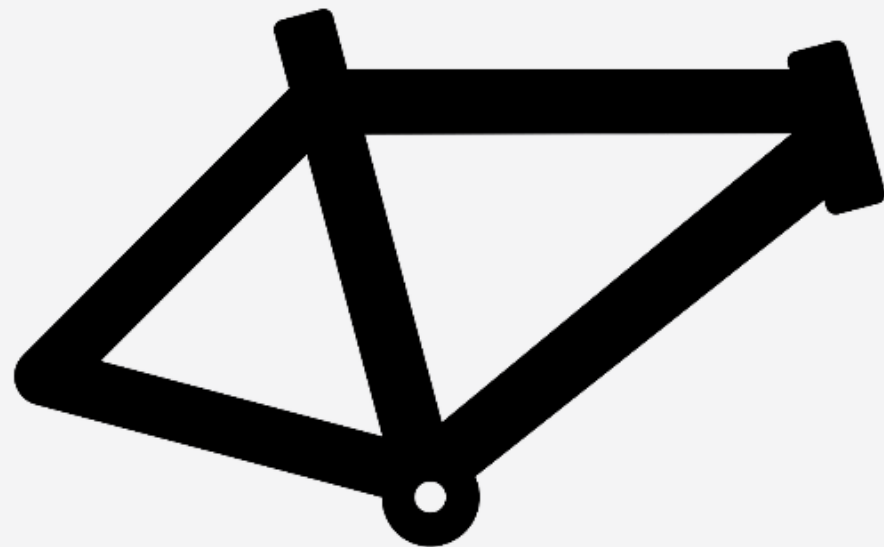
Octane One Spark
Frame 2017



Nukeproof Pulse Team
Frame 2017



NS Bikes Clash JR
Frame 2018



TOTAL: £000.00

Specification

Frame Size

- ☐ 38cm (15")
☐ 43cm (17")
☐ 48cm (19")

Frame Colour

- ☐ Black ☐ White
☐ Red ☐ Orange
☐ Blue ☐ Green

Details

Nukeproof Scout 290 Frame 2018

In Stock!

£349.99

Add to Build

Frame

Group Set

Wheels

Finishing Set



Shimano Ultegra
6800 11 Speed



Shimano Tiagra 4700
10 Speed Groupset



SRAM X01 11 Speed
Groupset



Campagnolo Chorus
11 Speed Groupset



TOTAL: £349.99

Specification

Placeholder text

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Details

Shimano Ultegra 6800 11 Speed
Groupset

In Stock! £469.99

Add to Build

Frame

Group Set

Wheels

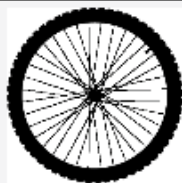
Finishing Set



Nukeproof Scout 290
Frame 2018



Shimano Ultegra 6800
11 Speed Groupset



Nukeproof Horizon
MTB Wheelset



Nukeproof Vector
Horizon Finishing Set



Specification

Frame

Nukeproof Scout 290 Frame 2018

Colour: Black Size: 43cm (17")

Group Set

Shimano Ultegra 6800 11 Speed Groupset

Wheels

Nukeproof Horizon MTB Wheelset

Finishing Set

Nukeproof Horizon Carbon Riser Bar

Nukeproof Vector AM Comp Cro-Mo Saddle

TOTAL: £1328.95

DELIVERY TIME: 7 DAYS

Add to Order

Frame

Group Set

Wheels

Finishing Set