# Requirements for repairs

* **What:** Repair system
* **Where:** Point-of-Sale system
* **When:** At any point of sale
* **Why:** Bike owners want to be able to drop off bikes for repairs
* **Assumptions**
  + Bikes will be either Road, Mountain, or Electric
  + Services available will be:
    - Flat repair
    - Chain replacement
    - Brake change
    - Battery change
  + Repairs are done first in first out queue
  + Payment via credit or debit card
* **Exclusions**
  + No cash payments
  + No other repair jobs offered

# Requirements for new bike sales

* **What:** Sale system
* **Where:** Point-of-Sale system
* **When:** At any point of sale
* **Why:** We want to sell bikes to customers that we will then be able to make business from maintenance in the future.
* **Assumptions**
  + Bikes will be either Road, Mountain, or Electric
  + Can be stock, or customized
    - See customized section for customization requirements
  + Multiple bikes can be purchased
  + Cannot be sold if out of stock
  + Payment via credit or debit card
* **Exclusions**
  + No cash payments
  + No pre-orders, or back orders
  + No other bikes offered

# Requirements for new bike customizations

* **What:** Sale system
* **Where:** Point-of-Sale system
* **When:** During new bike purchase
* **Why:** Some customers may want to customize their bikes to better fit their needs
* **Assumptions**
  + Bikes will be either Road, or Mountain
  + No customizations get default constructor options
  + Road bike customizations:
    - Brake style (pad or disc)
    - Tire size
    - Number of gears
  + Mountain bike customizations:
    - Brake style (pad or disc)
    - Shocks (front only, or front+rear)
    - Number of gears
  + Electric bike customizations:
    - Battery runtime
  + Payment via credit or debit card
* **Exclusions**
  + No cash payments