BE Service table

BE Service	Requests	Resources
qrscan	GET	/scan/{product_id}
news	GET	/news
	GET	/news/{news_id}
login	POST	/signup
	POST	/login
productCa	GET	/product-categories?location={location}
	GET	/product-categories/{category_id}
product	GET	/product-categories/product/{product_id}
	GET	/product-categories/product/{product_id}/details
user	GET	/user/{user_id}
	PUT	/user/{user_id}/picture
favorites	GET	/favorites
	POST	/favorites/{product_id}
	DELETE	/favorites/{product_id}
feedback	GET	/product-categories/product/{product_id}/feedback
	POST	/product-categories/product/{product_id}/feedback
statistics	GET	/statistics/positive
	GET	/statistics/negative

BE orchestration

BE orchestration	
Worflow1	1->2->3->4
Worflow2	1->2->3
Worflow3	1->2
Worflow4	1->2->3

BE Services table

BE Services	Operations	Endpoints	Input data	Output data
qrscan	GET	/scan/{product_id}	product_id	Product
news	GET	/news		News
	GET	/news/{news_id}	news_id	News
login	POST	/signup	emai,password,username	auth_token
	POST	/login	emai,password	auth_token
productCategories	GET	/product-categories/		ProductCategories
	GET	/product-categories/{category_id}	category_id	ProductCategory
product	GET	/product-categories/product/{product_id}	product_id	Product
	GET	/product-categories/product/{product_id}/details	product_id	Product
user	GET	/user/{user_id}	user_id	User
	PUT	/user/{user_id}/picture	user_id	
favorites	GET	/favorites		ProductList
	POST	/favorites/{product_id}	product_id	
	DELETE	/favorites/{product_id}	product_id	
feedback	GET	/product-categories/product/{product_id}/feedback	product_id	FeedBack
	POST	/product-categories/product/{product_id}/feedback	product_id	
statistics	GET	/statistics/positive		Statistics
	GET	/statistics/negative		Statistics

"ProductCategories": {
    "type": "object",
    "properties": {
        "categories": {
            "type": "array",
            "items": {
                "type": "object",
                "properties": {
                    "id": {
                        "type": "string",
                        "description": "Category id"
                    },
                    "name": {
                        "type": "string",
                        "description": "Category name"
                    },
                    "description": {
                        "type": "string",
                        "description": "Category description"
                    },
                    "image": {
                        "type": "binary",
                        "description": "Category image"
                    }
                }
            }
        }
    }
}

"ProductCategory": {
    "type": "object",
    "properties": {
        "id": {
            "type": "string",
            "description": "Category ID"
        },
        "name": {
            "type": "string",
            "description": "Category name"
        },
        "description": {
            "type": "string",
            "description": "Category description"
        },
        "image": {
            "type": "binary",
            "description": "Category image"
        }
    }
}

"Feedback": {
    "type": "object",
    "properties": {
        "rating": {
            "type": "integer",
            "description": "Rating given by the user (1-5)"
        },
        "comment": {
            "type": "string",
            "description": "Comment provided by the user"
        },
        "userId": {
            "type": "string",
            "description": "ID of the user who provided the feedback"
        }
    }
}

"News": {
    "type": "object",
    "properties": {
        "newsList": {
            "type": "array",
            "items": {
                "type": "object",
                "required": [
                    "titulo",
                    "data",
                    "descricao"
                ],
                "properties": {
                    "titulo": {
                        "type": "string",
                        "description": "Title of the news article"
                    },
                    "data": {
                        "type": "string",
                        "description": "Date of the news article",
                        "format": "date-time"
                    },
                    "descricao": {
                        "type": "string",
                        "description": "Description of the news article"
                    }
                }
            }
        }
    }
}

"AuthToken": {
    "type": "object",
    "properties": {
        "access_token": {
            "type": "string",
            "description": "JWT access token"
        },
        "refresh_token": {
            "type": "string",
            "description": "JWT refresh token"
        }
    }
}

Product:
{ "required":
    ["product ID",
      "produtor",
      "origem",
      " sexo ",
      "idade",
      "raça",
      "descricao"
    ],
    "type": "object",
    "properties": {
        "product ID": {
            "type": "integer",
            "description": "Unique identifier for the   product",
            "format": "int64"
        },
        "produtor":{
            "type": "string",
            "description": "Meat Producer" },
        "origem": {
            "type": "string",
            "description": "Meat origin" },
        "sexo":{
            "type": "string",
            "description ":   "animal information sex" }
        "idade": {
            "type": "integer",
            "description ":   "animal age",
            "format": "int64"
        }
        "raça": {
            "type": "string",
            "description ":   "animal race"
        }
        "descricao": {
            "type": "string",
            "description ":   "gives more details   about the product",
        }
    }
}