Café Table Order Services

Matthew Bima - 18217026

Deskripsi Layanan

Café Table Order merupakan sebuah layanan yang memberikan service kepada pelanggan untuk melakukan pemesanan secara virtual melalui gawai yang dimiiki oleh customer pribadi. Service ini melayani dari tahap awal pemesanan/order hingga pembayaran untuk sisi customer. Service ini juga melayani untuk pencatatan stock bagi sisi admin/penjual. Nantinya pesanan pelanggan akan secara otomatis mendeduksi stock yang ada, jika masih tersedia.

Core subdomain dari layanan ini dapat didefinisikan sebagai layanan point of sales yang bertanggung jawab atas fungsi penempatan order, manajemen member, payment processing, dan manajemen inventory. Dengan definisi user dalam bounded-context berupa :

1. Customer context : user merupakan pengguna yang melakukan pembelian melalui pemesanan/order.
2. Staff context : user merupakan pengguna yang melakukan update dan manajemen terhadap inventory.
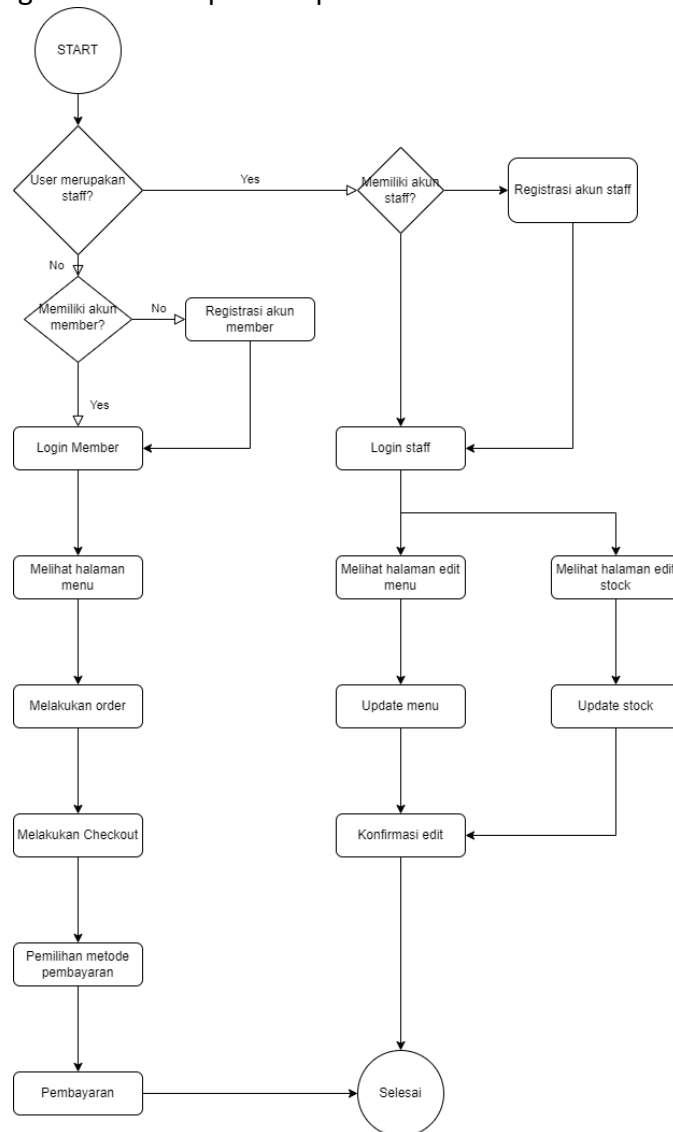
Arsitektur sistem

Layanan yang digunakan menggunakan host pada layanan hosting Microsoft Azure. Dengan memanfaatkan Azure for MySQL sebagai layanan database yang digunakan juga. Sistem authorization menggunakan OAuth sebagai autorisasi untuk akun user/pengguna.
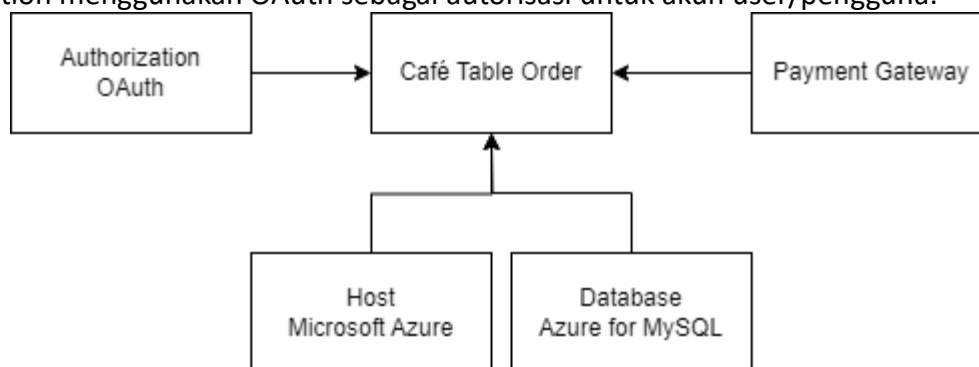
Teknis Fungsi Layanan

Berikut merupakan diagram alur dari proses aplikasi ini.

Layanan Café Table Order melayani service berupa manajemen user, pemesanan, payment processing, update inventory. Dengan pertimbangan sistem layanan yang berupa point of sale untuk café maka dapat diintegasikan dengan layanan rekomendasi menu sesuai kalori seperti Godeliv/Nutrieats.

Berikut hasil alur layanan setelah integrasi :
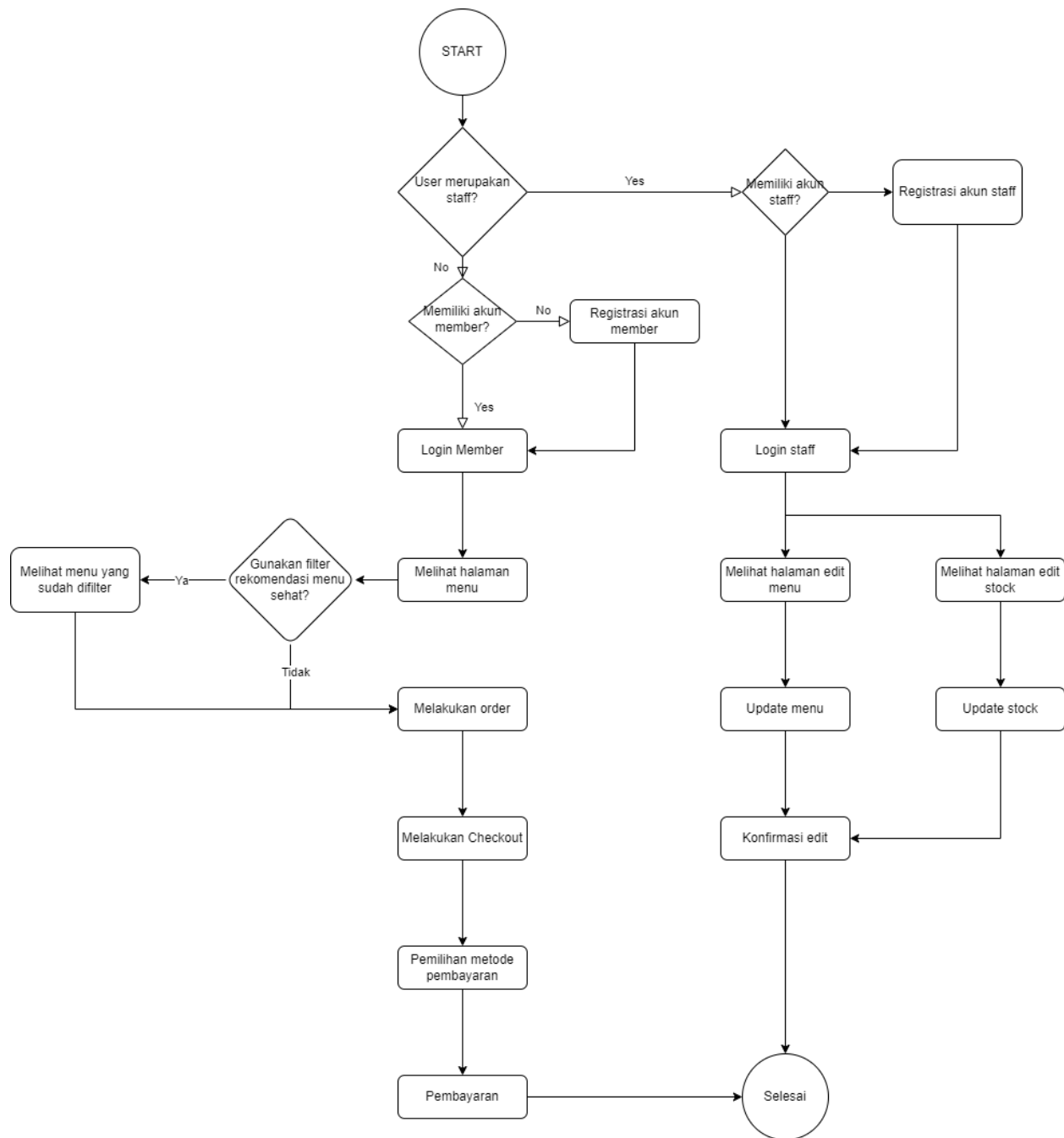
Dokumentasi Endpoints

Endpoint/path	Method	Summary	Auth	Response

/users	GET	Mendapatkan list user	True	'200':
				    description: Successful response
				    content:

				application/json:
				  example:
				   id: 1
				   name: John Doe
				   status: staff
				   StaffNumber: 0123
				   password: *****
				   id: 2
				   name: Jane Doe
				   status: member
				   password: *****
				   age: 21
				  '401':
				   description: Unauthorized
				   content:
				    application/json:
				     example:
				      error: "Unauthorized -
				Insufficient scope"
				    '404':
				     description: User not found

	POST	Menambah user baru	False	'201':
				   description: User created successfully
				    content:
				     application/json:
				      example:
				       id: 3
				       name: Jamet Doe
				       status: member
				       password: *****
				       age: 24
				   '400':
				    description: Bad request
				   '401':
				    description: Unauthorized
				    content:
				     application/json:
				      example:
				       error: "Unauthorized -
				Insufficient scope"

/users/{id}	GET	Mendapatkan data user sekarang	True	'200': description: Successful response

				content:
				  application/json:
				   example:
				    id: 3
				    name: Jamet Doe
				    status: member
				    password: *****
				    age: 24
				  '401':
				   description: Unauthorized
				   content:
				    application/json:
				     example:
				      error: "Unauthorized - Insufficient scope"
				   '404':
				    description: User not found

	PUT	Merubah data user sekarang	True	'200':
				   description: User details updated successfully
				   content:
				    application/json:
				     example:
				      id: 3
				      name: James Doe
				      status: member
				      password: *****
				      age: 24
				  '401':
				   description: Unauthorized
				   content:
				    application/json:
				     example:
				      error: "Unauthorized - Insufficient scope"
				   '404':
				    description: User not found

	DELETE	Menghapus data user	True	'204':
				   description: User deleted successfully
				  '401':
				   description: Unauthorized
				   content:
				    application/json:

				example:
				        error: "Unauthorized -
				Insufficient scope"
				      '404':
				        description: User not found

/menus/	GET	Mendapatkan list menu	True	'200':
				        description: Successful response
				        content:
				          application/json:
				            example:
				              id: 101
				              name: Es Teh Manis
				              category: beverage
				              type: Tea
				              calory: 50
				              price: 7000
				              id: 102
				              name: Cafe Latte
				              category: beverage
				              type: Coffee
				              calory: 65
				              price: 15000
				      '401':
				        description: Unauthorized
				        content:
				          application/json:
				            example:
				              error: "Unauthorized -
				Insufficient scope"
				      '404':
				        description: Menu not found

	POST	Menambahkan menu	True	'201':
				        description: Menu created successfully
				        content:
				          application/json:
				            example:
				              id: 103
				              name: Americano
				              category: beverage
				              type: Coffee
				              calory: 60

				price: 12000
				'400':
				  description: Bad request
				'401':
				  description: Unauthorized
				  content:
				   application/json:
				    example:
				     error: "Unauthorized -
				Insufficient scope"

/menus/{id}	GET	Mendapatkan data menu sesuai id	True	'200':
				    description: Successful response
				    content:
				     application/json:
				      example:
				       id: 103
				       name: Americano
				       category: beverage
				       type: Coffee
				       calory: 60
				       price: 14000
				'401':
				  description: Unauthorized
				  content:
				   application/json:
				    example:
				     error: "Unauthorized -
				Insufficient scope"
				   '404':
				   description: Menu not found

	PUT	Merubah data menu sesuai id	True	'200':
				    description: Menu details updated successfully
				    content:
				     application/json:
				      example:
				       id: 103
				       name: Americano
				       category: beverage
				       type: Coffee
				       calory: 60
				       price: 12000

				'401':
				  description: Unauthorized
				  content:
				   application/json:
				    example:
				     error: "Unauthorized -
				Insufficient scope"
				  '404':
				   description: Menu not
				found

	DELETE	Menghapus data menu sesuai id	True	'204':
				   description: Menu deleted
				successfully
				  '401':
				   description: Unauthorized
				   content:
				    application/json:
				     example:
				      error: "Unauthorized -
				Insufficient scope"
				   '404':
				    description: Menu not
				found

/ingredients/	GET	Mendapatkan list ingredients/bahan	True	'200':
				   description: Successful
				response
				    content:
				     application/json:
				      example:
				       id: 201
				       name: Gula Cair
				       category: condiment
				       stock: 7000
				       measurement: ml
				       id: 202
				       name: Coffee Beans
				       category: raw
				       stock: 5000
				       measurement: gr
				  '401':
				   description: Unauthorized
				   content:
				    application/json:
				     example:

				error: "Unauthorized - Insufficient scope"
				    '404':
				     description: Ingredient not found

	POST	Menambahkan bahan	True	'201':
				    description: Ingredient created successfully
				    content:
				     application/json:
				      example:
				       id: 203
				       name: Milk
				       category: raw
				       stock: 8000
				       measurement: ml
				   '400':
				    description: Bad request
				   '401':
				    description: Unauthorized
				    content:
				     application/json:
				      example:
				       error: "Unauthorized - Insufficient scope"

/ingredients/{id}	GET	Mendapatkan data bahan sesuai id	True	'200':
				    description: Successful response
				    content:
				     application/json:
				      example:
				       id: 203
				       name: Milk
				       category: raw
				       stock: 8000
				       measurement: ml
				   '401':
				    description: Unauthorized
				    content:
				     application/json:
				      example:
				       error: "Unauthorized - Insufficient scope"
				   '404':

				description: Ingredient not found

	PUT	Merubah data bahan sesuai id	True	'200':
				    description: Ingredient details updated successfully
				    content:
				     application/json:
				      example:
				      id: 203
				      name: Milk
				      category: raw
				      stock: 10000
				      measurement: ml
				   '401':
				    description: Unauthorized
				    content:
				     application/json:
				      example:
				       error: "Unauthorized - Insufficient scope"
				   '404':
				    description: Ingredient not found

	DELETE	Menghapus data bahan sesuai id	True	'204':
				    description: Ingredient deleted successfully
				   '401':
				    description: Unauthorized
				    content:
				     application/json:
				      example:
				       error: "Unauthorized - Insufficient scope"
				   '404':
				    description: Ingredient not found

/orders/	GET	Mendapatkan list pesanan	True	'200':
				    description: Successful response
				    content:
				     application/json:
				      example:
				      id: 1
				      name: John Doe

				menus :
				  - id: 101
				    name: Es Teh Manis
				    price: 7000
				  - id: 102
				    name: Cafe Latte
				    price: 15000
				  Total: 22000
				 '401':
				  description: Unauthorized
				  content:
				   application/json:
				    example:
				    error: "Unauthorized -
				Insufficient scope"
				   '404':
				    description: Order not
				found

	POST	Menambahkan pesanan baru	True	'201':
				    description: User created
				successfully
				   content:
				   application/json:
				    example:
				    id: 2
				    name: James Doe
				    menus :
				    - id: 101
				     name: Es Teh Manis
				     price: 7000
				    - id: 102
				     name: Americano
				     price: 12000
				    Total: 19000
				 '400':
				  description: Bad request
				 '401':
				  description: Unauthorized
				  content:
				   application/json:
				    example:
				    error: "Unauthorized -
				Insufficient scope"

| /orders/{id} | GET | Mendapatkan data pesanan sesuai id | True | '200':
    description: Successful response
    content:
     application/json:
      example:
       id: 2
       name: James Doe
       menus :
       - id: 101
        name: Es Teh Manis
        price: 7000
       - id: 102
        name: Americano
        price: 12000
       Total: 19000
   '401':
    description: Unauthorized
    content:
     application/json:
      example:
       error: "Unauthorized - Insufficient scope"
   '404':
    description: Order not found |
| | DELETE | Menghapus pesanan sesuai id | True | '204':
    description: Order deleted successfully
   '401':
    description: Unauthorized
    content:
     application/json:
      example:
       error: "Unauthorized - Insufficient scope"
   '404':
    description: Order not found |