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Purpose of this document

This document describes what REST services are provided in the Tiimi 2 pet shop app. It contains all needed information so that client can be implemented.

REST resources (services)

Base url: <https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi>

1. Get all products -> /api/products
2. Get all types -> /api/types
3. Get all manufacturers -> /api/manufacturers
4. Get all products with certain type -> /api/products/type/{type_name}
5. Register new customer -> /api/customers
6. Soft delete customer -> /api/customers/{id}

REST requests and responses

1 Get all products

HTTP method: GET

API call: [https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/products](https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/products)

Request body: -

Response example below:

```
{
  "_embedded": {
    "products": [
      {
        "name": "Padded collar",
        "color": "black",
        "price": 14.49,
        "size": "S",
        "_links": {
          "self": {
            "href": "http://localhost:8080/api/products/1"
          },
          "product": {
            "href": "http://localhost:8080/api/products/1"
          },
          "type": {
            "href": "http://localhost:8080/api/products/1/type"
          },
          "manufacturer": {
            "href": "http://localhost:8080/api/products/1/manufacturer"
          }
        }
      },
      {
        "name": "Shirt",
        "color": "red",
        "price": 9.99,
        "size": "L",
        "_links": {
          "self": {
            "href": "http://localhost:8080/api/products/2"
          },
          "product": {
            "href": "http://localhost:8080/api/products/2"
          },
          "type": {
            "href": "http://localhost:8080/api/products/2/type"
          }
        }
      }
    ]
  }
}
```

```

    },
    "manufacturer": {
      "href": "http://localhost:8080/api/products/2/manufacturer"
    }
  }
}
],
},
"_links": {
  "self": {
    "href": "http://localhost:8080/api/products"
  },
  "profile": {
    "href": "http://localhost:8080/api/profile/products"
  },
  "search": {
    "href": "http://localhost:8080/api/products/search"
  }
}
}
}

```

2 Get all manufacturers

HTTP method: GET

API call: <https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/rest/manufacturers>

Request body: -

Response example below:

```

{
  "_embedded": {
    "manufacturers": [
      {
        "name": "Feel active",
        "_links": {
          "self": {
            "href": "http://localhost:8080/api/manufacturers/1"
          },
          "manufacturer": {
            "href": "http://localhost:8080/api/manufacturers/1"
          },
          "products": {
            "href": "http://localhost:8080/api/manufacturers/1/products"
          }
        }
      }
    ]
  }
}

```

```

]
},
"_links": {
  "self": {
    "href": "http://localhost:8080/api/manufacturers"
  },
  "profile": {
    "href": "http://localhost:8080/api/profile/manufacturers"
  }
}
}
}

```

3 Get all types

HTTP method: GET

API call: [https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/types](https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/types)

Request body: -

Response example below:

```

{
  "_embedded": {
    "types": [
      {
        "name": "clothing",
        "id": 1,
        "_links": {
          "self": {
            "href": "http://localhost:8080/api/types/1"
          },
          "type": {
            "href": "http://localhost:8080/api/types/1"
          },
          "products": {
            "href": "http://localhost:8080/api/types/1/products"
          }
        }
      },
      {
        "name": "toy",
        "id": 2,
        "_links": {
          "self": {
            "href": "http://localhost:8080/api/types/2"
          }
        }
      }
    ]
  }
}

```

```
    },
    "type": {
      "href": "http://localhost:8080/api/types/2"
    },
    "products": {
      "href": "http://localhost:8080/api/types/2/products"
    }
  }
},
{
  "name": "food",
  "id": 3,
  "_links": {
    "self": {
      "href": "http://localhost:8080/api/types/3"
    },
    "type": {
      "href": "http://localhost:8080/api/types/3"
    },
    "products": {
      "href": "http://localhost:8080/api/types/3/products"
    }
  }
}
]
},
"_links": {
  "self": {
    "href": "http://localhost:8080/api/types"
  },
  "profile": {
    "href": "http://localhost:8080/api/profile/types"
  }
}
}
```

4 Get all products of a type, by type name

HTTP method: GET

API call: [https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/products/type/{type_name}](https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/products/type/{type_name})

Request body: -

Response example below:

```
[
  {
    "id": 1,
    "name": "Padded collar",
    "color": "black",
    "price": 14.49,
    "size": "S",
    "manufacturer": {
      "id": 1,
      "name": "Feel active"
    },
    "type": {
      "name": "clothing",
      "id": 1
    }
  },
  {
    "id": 2,
    "name": "Shirt",
    "color": "red",
    "price": 9.99,
    "size": "L",
    "manufacturer": {
      "id": 1,
      "name": "Feel active"
    },
    "type": {
      "name": "clothing",
      "id": 1
    }
  }
]
```

5 Register new customer

HTTP method: POST

API call: <https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/customers>

Request body: Customer

Response example below:

?

6 Soft delete customer

HTTP method: PUT

API call: <https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/customers/{id}>

Request body: -

Response example below:

?

HTTP methods

Http Method	Resource EndPoint	Input	Success Response	Error Response	Description
GET	/api/products	Body: empty	Status: 200 List of products	Status 500	Retrieves all products
GET	/api/manufacturers	Body: empty	Status: 200 List of manufacturers	Status 500	Retrieves all manufacturers
GET	/api/types	Body: empty	Status: 200 List of product types	Status 500	Retrieves all product types
GET	/api/products/type/{typename}	Body: empty	Status: 200 List of products	Status 500	Retrieves a list of products of a certain type searched by type name
POST	/api/customers	Body: Customer	?	?	Registers new user made in React form
PUT	/api/customers/{id}	Body: empty	?	?	Soft deletes user based on id. Used in React app where id is fetched based on email