WEB SERVICE & REST API

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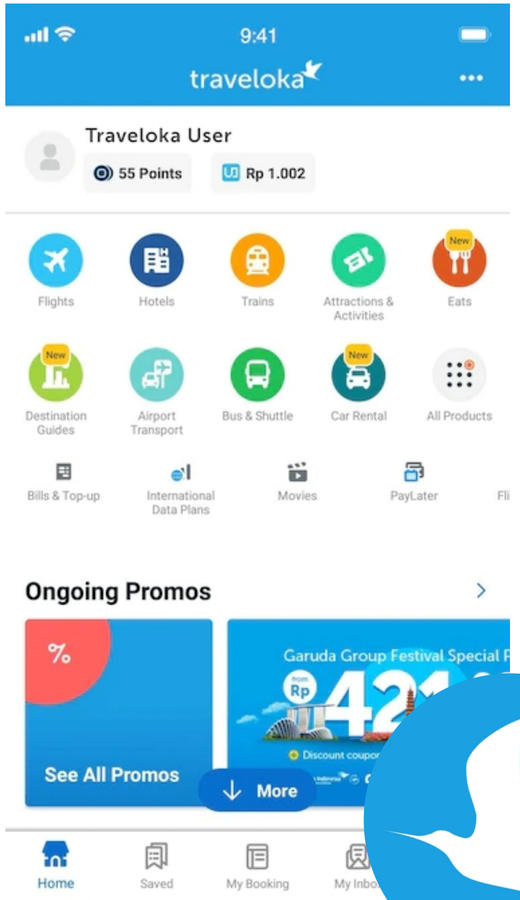
XIII TKJ 1

WEB SERVICE

A server running on a computer device, listening for **requests** at a particular port over a network, serving web **documents** / **resource**, and creating web applications services, which serve in **solving specific domain problems** over the Web.

https://en.wikipedia.org/wiki/Web_service



KERETA API
PT.KERETA API INDONESIA (PERSERO)

Garuda Indonesia

Sriwijaya Air
Your Flying Partner

AirAsia

Lion Air

Merpati

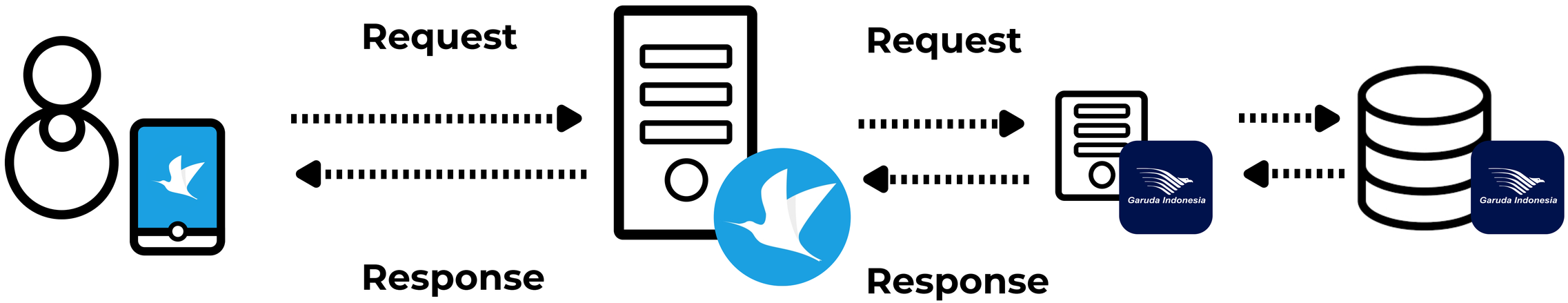
mandala
partner airline of tiger airways

TRIGANA AIR

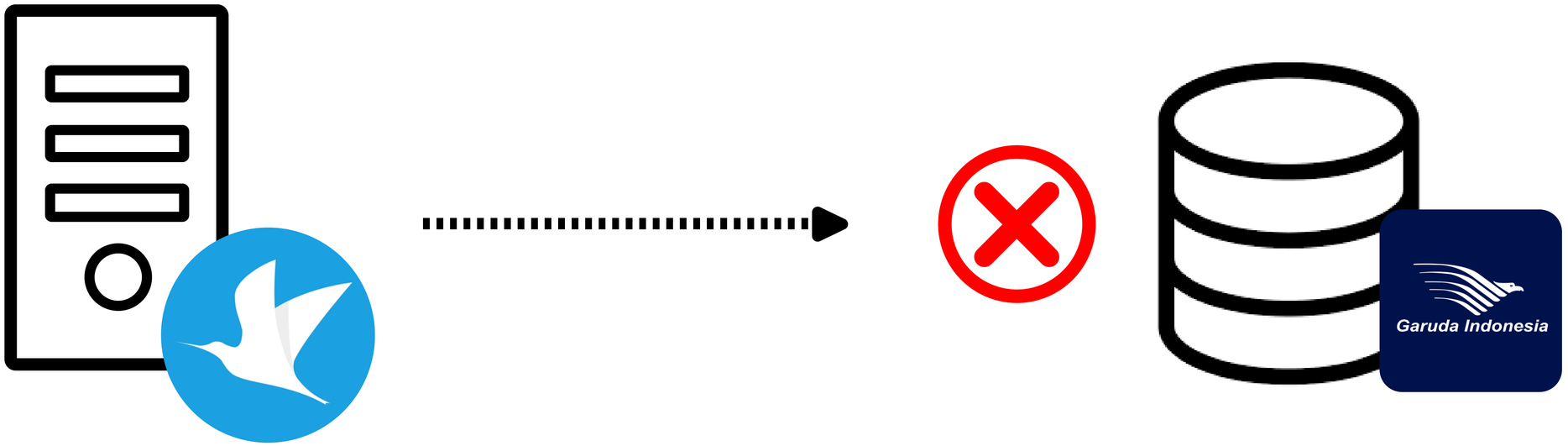
KAL STAR AVIATION

tigerairways

Citilink



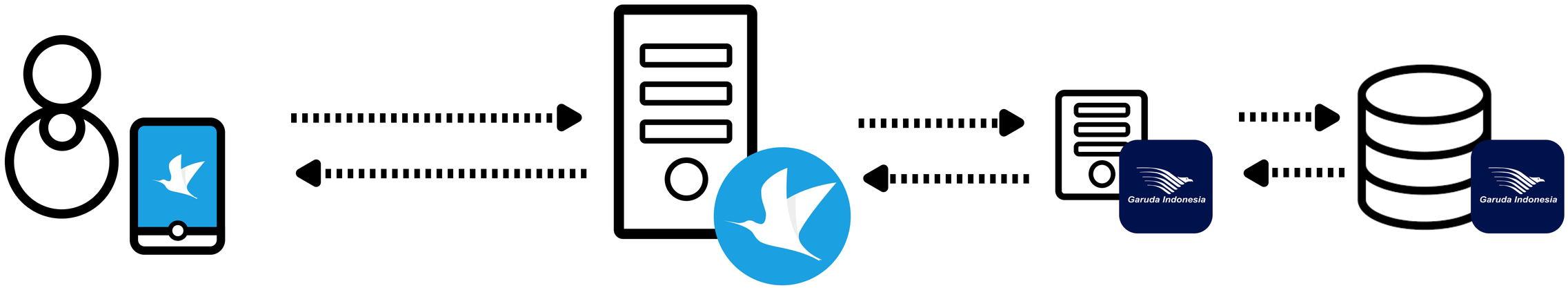
Get all flight


Garuda Indonesia

REST API

Representational **s**tate **t**ransfer (REST) is a software architectural style that defines a set of constraints to be used for creating Web services.

https://en.wikipedia.org/wiki/Representational_state_transfer



Get all passenger

Add single passenger

Edit single passenger

Get single passenger

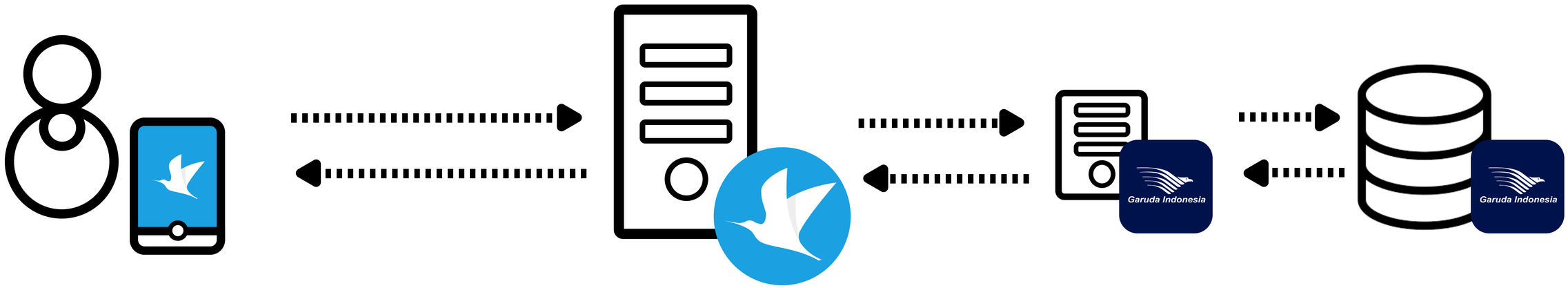
Delete single passenger

Need an **address**

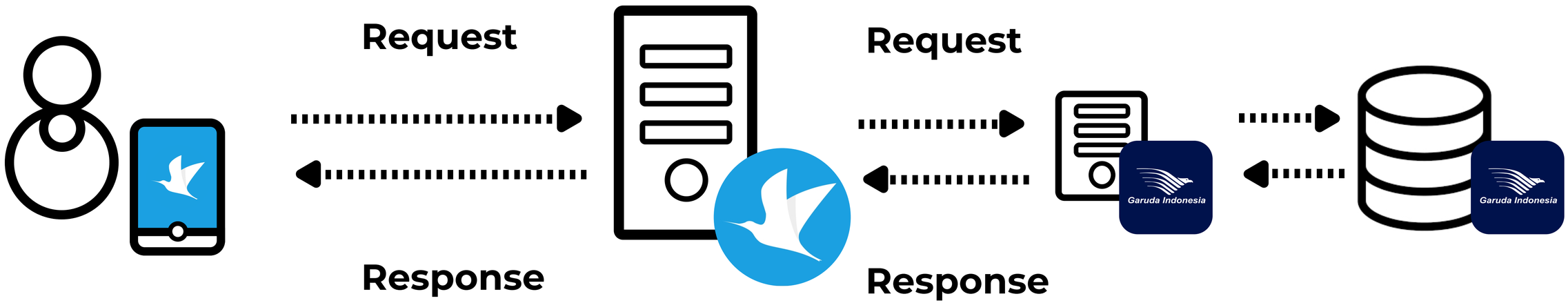
URL

A Uniform **Resource Locator** (URL), colloquially termed a web address , is a reference to a web resource that **specifies its location** on a computer network and a mechanism for retrieving it.

https://en.m.wikipedia.org/wiki/URL

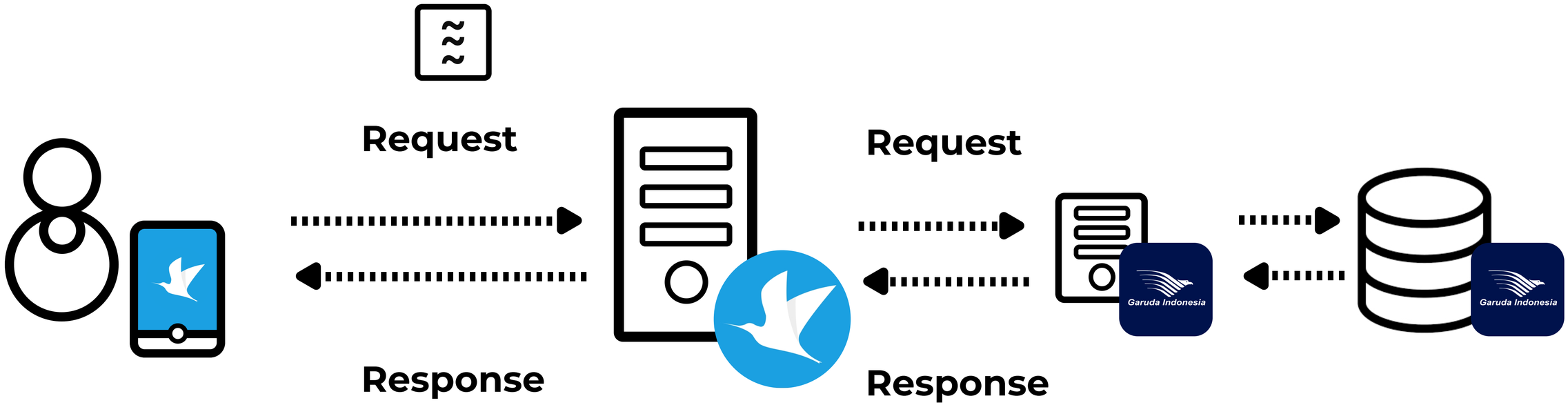


Get all passenger	http://dev.garuda-indonesia.com/**passenger**
Add single passenger	http://dev.garuda-indonesia.com/**passenger/add**
Edit single passenger	http://dev.garuda-indonesia.com/**passenger/edit/1**
Get single passenger	http://dev.garuda-indonesia.com/**passenger/detail/1**
Delete single passenger	http://dev.garuda-indonesia.com/**passenger/delete/1**



Get all passenger

http://dev.garuda-indonesia.com/**passenger**



Add single passenger

http://dev.garuda-indonesia.com/**passenger/add**

HTTP METHOD

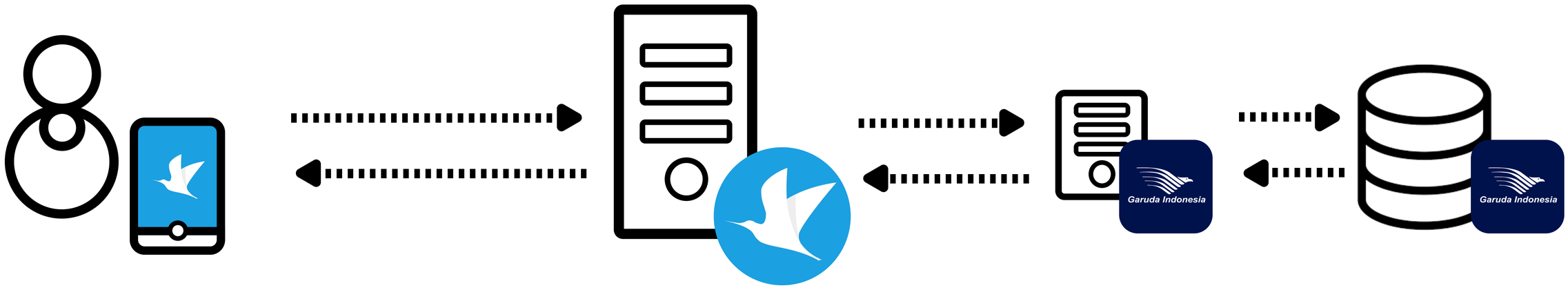
A set of request methods to **indicate** the **desired action** to be performed for a given resource.

https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods

HTTP METHOD

- **GET,** The GET method requests a representation of the specified resource.
- **POST,** The POST method is used to submit an entity to the specified resource
- **DELETE,** The DELETE method deletes the specified resource.
- **PUT,** The PUT method replaces all current representations of the target resource with the request payload.

https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods



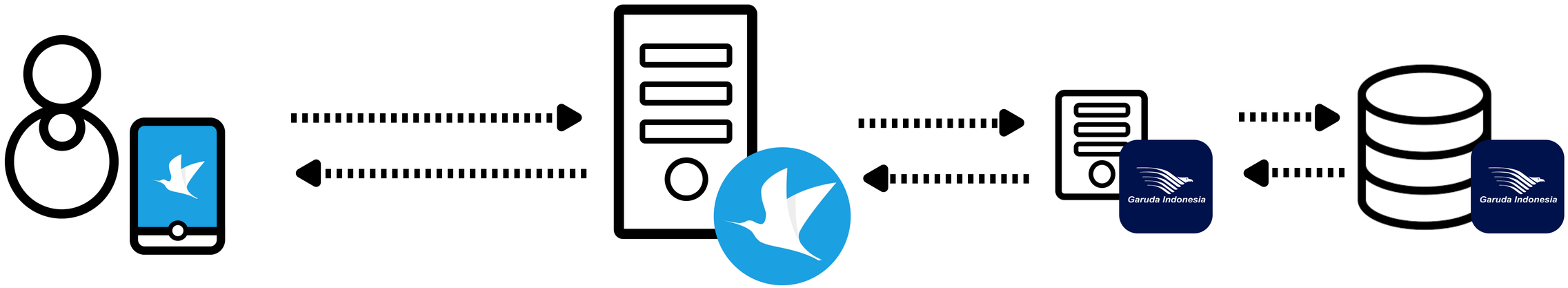
Get all passenger

Add single passenger

Edit single passenger

Get single passenger

Delete single passenger



URL

Method

GET	http://dev.garuda-indonesia.com/**passenger**
POST	http://dev.garuda-indonesia.com/**passenger/add**
PUT	http://dev.garuda-indonesia.com/**passenger/edit/1**
GET	http://dev.garuda-indonesia.com/**passenger/detail/1**
DELETE	http://dev.garuda-indonesia.com/**passenger/delete/1**

REFERENCE

https://restfulapi.net/

https://www.codepolitan.com/mengenal-restful-web-services

https://en.wikipedia.org/wiki/Representational_state_transfer

THANK YOU

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https://zulfahmi-ardiansah.**github.io**/