

What is express:

- This is a server side web framework for node

Uses:

- To Develop Server Side Rest API For Mobile, Desktop, Web Applications and IOT devices
- Using template engine with express you can develop complete web site or web application too.
- You can use react, vue or angular with express to develop complete web site or web application

What will be our learning strategy

1. Express Rest API Development
2. Working with template engine and express together
3. Working with react and express together
4. Deploy & Testing With Real server

Tools:

- Node
- WebStrom
- Postman

Knowledge Required:

- Node and JavaScript

My First Express Application

Express JS Routing

সার্ভার সাইডে দক্ষতার জন্য-
চারটি বিষয় ভালো করে বুঝতে হবে শিখতে হবে

- Request
- Response
- Middleware
- Database Operations

Response

1. Response Body
2. Response Header
3. Response Status
4. Response Cookies

Request Method

1. Post()
2. Get()
3. Put()
4. Delete()

Request get()

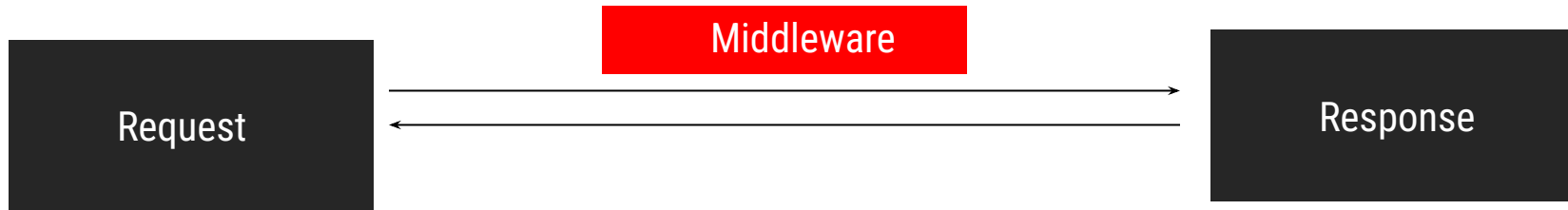
1. Create Simple Get Request
2. Simple Get Request With URL Parameter
3. Catch Request Header Simple Get Method

Request post()

1. Request
2. Request With URL Parameter
3. Request Header
4. Request JSON BODY
5. Request Multipart Form Data
6. Request File Upload

Middleware

- Middle + Ware
- মধ্যম + সতর্কতা
- মাঝখানের সতর্কতা/সচেতনতা



Use Of Middleware

1. User agent check, valid request check
2. Authentication, Authorization, Verification
3. Request Limiting
4. And other's security measures

Middleware Placing

1. Application Level
2. Route Level

Application Level

```
var express = require('express');  
var app = express();  
  
app.use(function (req, res, middle) {  
    console.log('I am middle');  
    middle();  
})  
  
app.get('/', function(req, res){  
    res.send( body: "Home Page");  
});
```

Express JS Scaffolding:

- Scaffolding allows us to easily create a skeleton for a web application.