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# Server-Side RESTful API

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- ❖ ExpressJS server

- ❖ `$ npm init -y`

- ❖ `$ npm install --save body-parser express mongoose`

- ❖ Libraries

- ❖ `express` (Express.js) is a Node.js web application framework.

- ❖ `mongoose` is a Node.js package that translates between the JSON documents in MongoDB and the JavaScript objects that can be accessed and managed in the your application code.

- ❖ `body-parser` parses the HTTP request body into a JavaScript object so that the data encoded in the HTTP request body can be easily consumed.

- ❖ `$ node server.js`



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# RESTful API through Postman

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- ❖ GET <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards> (read all cards)
- ❖ POST <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards> (create new card)
  - ❖ Body: raw JSON(application/json)
  - ❖ 

```
{  
  "title": "Learn JavaScript",  
  "description": "concentrate on new features of ES6",  
  "status": "todo"  
}
```



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# RESTful API through Postman

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- ❖ PUT <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards/58be3e0d3fb27008891123be> (update existing card using its id)
- ❖ Body: raw JSON(application/json)
- ❖ {  
 "title": "Learn JavaScript",  
 "description": "concentrate on new features of ES6",  
 "status": "**in-progress**"  
}



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# RESTful API through Postman

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- ❖ POST <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards/58be3a11b38fec048f79302f/tasks> (create new task in a card)
- ❖ Body: raw JSON(application/json)
- ❖ 

```
{  
  "taskname": "props and state"  
}
```

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# RESTful API through Postman

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- ❖ DELETE <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards/58be3a11b38fec048f79302f/tasks/58be3faf3fb27008891123bf> (delete a task from a card)



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# RESTful API through Postman

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- ❖ PUT <https://react-spring-2017-server-winwust.c9users.io:8080/api/cards/58be3a11b38fec048f79302f/tasks/58be40653fb27008891123c1> (update task status of a task in a card)
- ❖ Body raw JSON(application/json)
- ❖ 

```
{  
  "taskstatus": true  
}
```