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\$ Bill Payment Tracker

ReadAll	CreateOne

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Bill Title	Mortgage
Payment Link	https://michaeldcastillo.github.io/about.html
Due Date	6/1/19
Due Amount	2000.00
Notes	pay or go into foreclosure
Paid Amount	2000.00
Paid Status	true
	Edit
	Delete
Bill Title	Homeowner's Association (HOA Dues)
Payment Link	https://michaeldcastillo.github.io/about.html
Due Date	6/1/19
Due Amount	40.00
Notes	pay or get nastygrams
Paid Amount	0
Paid Status	false
	Edit
	Delete
Bill Title	Austin Energy
Payment Link	https://michaeldcastillo.github.io/about.html
Due Date	6/6/19
Due Amount	150.00
Notes	pay or have nothing work in your home
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\$ Bill Payment Tracker

ReadAll CreateOne

Bill Title	Payment Link	Due Date	Due Amount	Notes	Paid Amount	Paid Status		
Mortgage	https://michaeldcastillo.github.io/about.html	6/1/19	2000.00	pay or go into foreclosure	2000.00	true	<u>Edit</u>	Delete
Homeowner's Association (HOA Dues)	https://michaeldcastillo.github.io/about.html	6/1/19	40.00	pay or get nastygrams	0	false	Edit	Delete
Austin Energy	https://michaeldcastillo.github.io/about.html	6/6/19	150.00	pay or have nothing work in your home	0	false	Edit	Delete
Verizon (iPhone)	https://michaeldcastillo.github.io/about.html	6/16/19	120.00	pay or live in isolation	0	false	Edit	Delete
Texas Gas Service	https://michaeldcastillo.github.io/about.html	6/17/19	55.00	pay or take cold showers and eat cold food	0	false	Edit	Delete
Insurance	https://michaeldcastillo.github.io/about.html	6/17/19	220.00	pay or risk financial ruin	0	false	Edit	Delete
24 Hour Fitness	https://michaeldcastillo.github.io/about.html	6/20/19	45.00	pay or watch your health decline	0	false	Edit	Delete
MasterCard	https://michaeldcastillo.github.io/about.html	6/21/19	variable	pay or ruin your credit report	0	false	Edit	Delete
Car Payment	https://michaeldcastillo.github.io/about.html	6/22/19	600.00	pay or walk everywhere	0	false	Edit	Delete
Spectrum Internet	https://michaeldcastillo.github.io/about.html	6/28/19	75.00	pay or have no media content in your home	0	false	<u>Edit</u>	Delete

Project Description

This project is about creating a web application from front to back that incorporates a complete web server, a responsive user interface, RESTful APIs, and create, read, update, delete (CRUD) operations against a cloud-hosted database.

Technologies Utilized

- Visual Studio Code (integrated development environment)
- Sketch (visual design and prototyping)
- GitHub (source code repository)
- Heroku (application hosting platform)
- mLab (MongoDB database as a service)
- Terminal (Mac OS command line)
- Homebrew (Mac OS package manager)
- Node.js (JavaScript runtime)
- Node Package Manager (npm) (external libraries, frameworks)
- Express (web application framework)
- React (JavaScript library)
- MongoDB (JSON-like document database)
- Mongoose (Node.js object data modeling)
- HTML5 (markup)
- Cascading Style Sheets (CSS) (markup styling)
- JavaScript (as a 'full stack' language)
- Postman (API testing)

What problem does your app focus on?

The problem this app focuses on is a question every single person must answer. Have you paid your bills?

Each person has their own unique set of bills to pay. Every day, each of must determine where we are with respect to paying these bills. In my case, I have numerous recurring bills where the amount generally does not vary over time and where the due date is on a fixed, recurring schedule. For me, I just need a way to consolidate them so that I can more easily keep track of each bill's payment status at any given time.

How does your app solve this problem?

This app strives to solve this problem by providing users a way to easily create and manage as many bills entries as desired in a single, consolidated, easy to access location. Each bill stores the essential information required for paying the bill (online) and for checking the status, at a glance.

The web application can be accessed from any internet-connected personal computer or mobile device, making it accessible from virtually anywhere there cellular signal or Wi-Fi hotspot present.

What steps did you take to build the app?

- Paper sketches
- Wireframe documents using Sketch application
- Static web page mock-ups (HTML, CSS)
- Numerous online tutorials (web blogs and YouTube videos)
- Tutorial example starter code
- Ongoing code publishing to GitHub
- Final deployment to Heroku

No Bills	Add Bill	All Bil	_		View Bill
May 8, 2019 + New Bill + New PayDay	May 8, 2019 Bill Name	May 8, 20 Bill Name	Due	Status	May 8, 2019
Due Bill Name Status	Bil Name Homm Mindgage Bil Payment URL http://www.loanadministration.com Bil Due Date Culse Datepicker>- Status PAID Save Cancel	Bill Name Bill Name <td< th=""><th>1st 1st 2nd 6th 10th</th><th>Status PAID PAID PAID DUE DUE DUE DUE DUE DUE DUE DUE</th><th>Bill Name Home Mordpage Bill Payment URL http://www.loanadministration.com Bill Due Daile dr1/2019 Status PAID Edit Bill Delete Bill</th></td<>	1st 1st 2nd 6th 10th	Status PAID PAID PAID DUE DUE DUE DUE DUE DUE DUE DUE	Bill Name Home Mordpage Bill Payment URL http://www.loanadministration.com Bill Due Daile dr1/2019 Status PAID Edit Bill Delete Bill

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No Bills (index.html)	All Bills (index-read-all.html)	Add Bill (index-create-one.html)	Edit Bill (index-edit-one.html)	View Bill (index-update-delete-
Create Bill	Create Bill	Bill Name:	Bill Name:	one.html)
	Bill Due Status	Home Mortgage	Home Mortgage	Bill Name:
	Vew Home Mortgage 1st PAID	Payment URL:	Payment URL:	Home Mortgage
			www.loanadministration	Payment URL:
		Due Date:	Due Date: 6/1/19	http://www.loanadministration.com
		 use a datepicker > Status: 	Status:	Due Date: 6/1/19
		PAID	✓ PAID	Status:
				PAID
		Save Cancel	Save Cancel	Edit Delete
				Luit Delete

Live Demo

Deployment Address

https://bills-mern-app.herokuapp.com/

GitHub Address

https://github.com/michaeldcastillo/bills-mern-app