

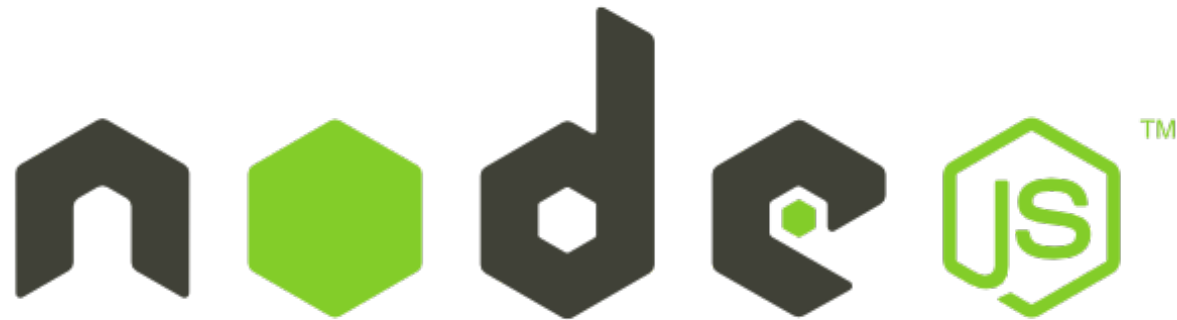
API Development using

d091019_t1120a



Community

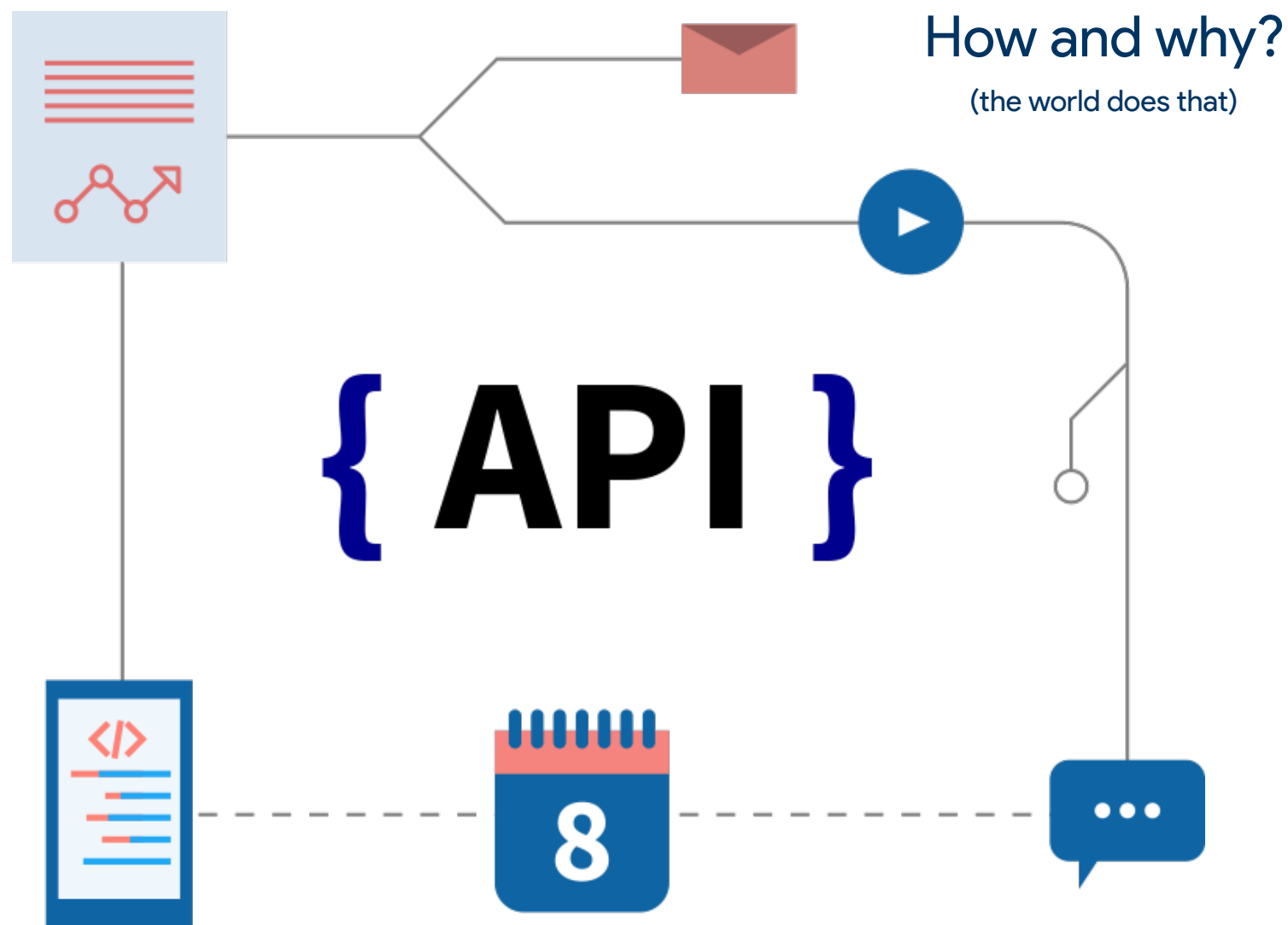
a group of people living in the same place or
having a particular characteristic in common



- basically, **JavaScript** on the server side
 - **asynchronous** programming
 - single threaded
 - based on **Chrome's V8** runtime
 - can be a drop-in replacement for **C++**
 - lightweight
 - developed by **Ryan Dahl**
 - open source
 - cross platform
 - project supported by **Linux Foundation**
 - originally developed by Joyent (a Samsung company)
 - easy for developers to use JS on client-side, server-side
 - highly scalable
 - high throughput (suitable for web servers)
 - faster than PHP and the alike
 - support for functional programming
 - non-blocking code, nobody should wait..
- 



Application Programmers Interface



- Getting things done.
- Really, server side!
- Making clients happy
- Features, functions, procedures...
- Access to TPAs
- Why REST?
- Please, OAuth.



Fancy titles and fancy frameworks

What we're not gonna cover today!

You'll write some code from scratch using JavaScript and the node.js library only.

```
$ npm install favourite-package # no need
```

```

45 exports.listCoursesForStudent = (student, callback) => {
46   dbManip.queryId(student, 'students', (studentObjectId) => {
47     dbConnect((err, dbL) => {
48       var db = dbL.db()
49
50       db.collection('students').findOne({_id: studentObjectId}, (err, student) => {
51         if(err) {
52           dbL.close()
53
54           callback(false)
55           return
56         }
57
58         var currentSemesterObjectId = student.currentSemester
59
60         dbManip.getObject(currentSemesterObjectId, 'semesters', (currentSemester
61           var courses = currentSemester.courses
62
63           db.collection('courses').find({_id: {
64             "$in": courses
65           }}).toArray((err, documents) => {
66             dbL.close()
67
68             if(err) {
69               callback(false)
70               return
71             }
72             callback(documents)
73           })
74         })
75       })
76     })
77   })
78 }
79

```

callback(hell);



Exploring Further!

will bring you closer to the
actual world beyond 🙄

Links to 👁👁 at:
bit.ly/herokuMEAN
bit.ly/mAsyncAwait

Thank you.

Made with ❤️

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github.com/swghosh