

CS 4400 Phase 3 - Approved Technologies

NOTE: Assume anything NOT on the approved list is forbidden. Please also check the forbidden list before asking about a technology.

Database

- MySQL v5.1 or later
- Must use InnoDB engine (ENGINE = InnoDB), default on non-CoC servers

Back End

This code connects to the MySQL database in order to render the front end.

- PHP
- NodeJS (Express)
- Other packages from npm are allowed as long as they do not generate SQL code in any form.
- For MySQL, use <https://www.npmjs.com/package/mysql> or <https://www.npmjs.com/package/mysql2>
- Java (JDBC, JSP, Java EE)
- Python (Flask, PyMySQL)

Front End

This code renders the information passed from the back end.

Web Application

- HTML/CSS/JavaScript
- Templating engines are ok (mustache, handlebars)
- AngularJS (v1.x)
- Angular (v4.x)
- Vue.js
- React
- Bootstrap
- jQuery
- Foundation
- Sass/SCSS
- CoffeeScript/TypeScript

Desktop Application

- Java (JavaFX/AWT/Swing)
- Python
- TkInter
- PyQt4/PyQt5 with QtCore, QtGui, and QtWidgets
- Electron
- Qt (C++) using QtCore, QtGui, and QtWidgets.
- May use QT Designer.

Things that are NOT allowed:

- Ruby
- Rails
- Sinatra
- Django
- sequel.js
- QtSql
- iOS, Android, mobile platforms
- No NoSQL/mongoDB/other key-value store thing
- No SQLite/PostgreSQL/MariaDB/other SQL things
- Any kind of ORM (object-relational mapper)

If you want to use a technology not explicitly listed here, you can assume that it won't be allowed. If you really want to be sure, please email sbjelcevic3@gatech.edu with the name of the technology AND a link to its description and we'll take a look. We reserve the right to disallow any technology for any reason.