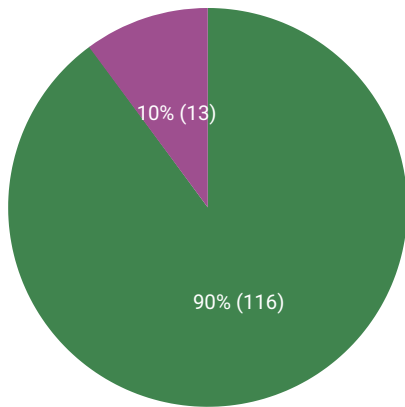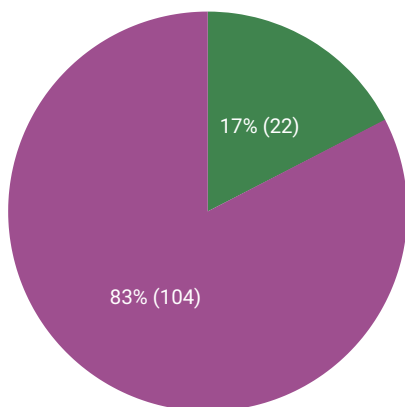# Analyze

Finished

- Completed exam: 90% (116)
- Unfinished: 10% (13)

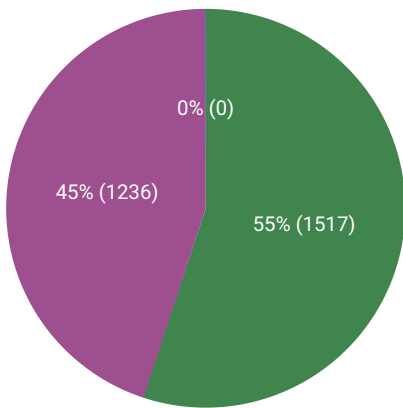Chart total: 129

Grading

Passed: 17% (22)
Failed: 83% (104)

Chart total: 126

Scores

Correct: 55% (1517)
Incorrect: 45% (1236)
Partially correct: 0% (0)

Chart total: 2753

Questions overview

Question sorting

Question order (increasing) ⇕

2. What is an API?

	Answer		Count
✓	An interface that allows two computers, apps, or systems to talk to each other programmatically	▮▮	90% (114)
✕	A piece of code that performs job routines in software, like a cron job	▯	6% (8)
✕	A standard format for delivering sample apps	▯	1% (1)
✕	A code export bundled into a package that can be uploaded as an app	▯	2% (3)
		Total	100% (126)

Correct: 114   Partially correct: 0   Incorrect: 12   Lowest score: 0.00pts   Average score: 0.90pts
Highest score: 1.00pts

3. What is GitHub?

	Answer		Count
✓	A hub for publishing, forking, and cloning mostly open-source projects on the web	▮▯	50% (63)
✕	A hosting location for software developers to showcase and sell their coding projects	▯	5% (6)
✕	A platform for interacting on software projects through an interface that allows users to check-in and check-out code, similar to SharePoint	▮	20% (25)
✕	A platform based on Git that where you can integrate multiple Git projects into one massive project	▮	25% (31)
		Total	100% (125)

Correct: 63   Partially correct: 0   Incorrect: 62   Lowest score: 0.00pts   Average score: 0.50pts
Highest score: 1.00pts

4. Which of the following is a characteristic of object-oriented programming?

Answer	Count

	Answer	Count	
✓	Defining a single chunk of code (e.g., class) that can be instantiated with different objects	▰	60% (73)
✗	Defining code (e.g., class) that takes as its input JSON objects	▮	8% (10)
✗	Code where getter/setter methods encapsulate objects from their classes	▰	22% (27)
✗	Code that contains subroutines that originate from objects and return output back to the origins	▮	10% (12)
		Total	100% (122)

Correct: 73   Partially correct: 0   Incorrect: 49   Lowest score: 0.00pts   Average score: 0.60pts
Highest score: 1.00pts

5. What command would you use on the terminal or command prompt to see all contents in a directory?

	Answer	Count	
✓	"ls" or "dir"	▰▰▰	63% (76)
✗	"lst"	▰	15% (18)
✗	"view"	▮	7% (8)
✗	"lst --all"	▰	16% (19)
		Total	100% (121)

Correct: 76   Partially correct: 0   Incorrect: 45   Lowest score: 0.00pts   Average score: 0.63pts
Highest score: 1.00pts

6. What is open-source documentation?

	Answer	Count	
✓	Anyone can usually fork, re-use, and contribute to the content	▰▰	70% (85)
✗	The documentation source is open and available for anyone to consult	▮	14% (17)
✗	The documentation lists the open source licenses for a product	▮	6% (7)
✗	The source of the documentation is based on open-source libraries	▮	10% (12)
		Total	100% (121)

Correct: 85   Partially correct: 0   Incorrect: 36   Lowest score: 0.00pts   Average score: 0.70pts

7. What is continuous integration (in relation to docs)?

	Answer		Count
✓	Triggering automatic builds from a server location usually based on a Git action		59% (70)
✗	Integration of engineering teams in a persistent way with documentation projects		29% (34)
✗	Automatic inclusion of remote code from a host server		11% (13)
✗	Splicing of client and server code in a dynamic way upon distribution		1% (1)
		Total	**100% (118)**

Correct: 70   Partially correct: 0   Incorrect: 48   Lowest score: 0.00pts   Average score: 0.59pts
Highest score: 1.00pts

8. What are some tools you can use to generate documentation from an OpenAPI specification document?

	Answer	Count	
✓	Redocly		19% (22)
✗	SlateGen		7% (8)
✗	REST Studio		19% (22)
✗	SwaggleDoc		56% (65)
		Total	**100% (117)**

Correct: 22   Partially correct: 0   Incorrect: 95   Lowest score: 0.00pts   Average score: 0.19pts
Highest score: 1.00pts

9. What's the difference between Swagger and OpenAPI?

	Answer		Count
✓	Swagger refers to tooling for the OpenAPI spec, while the spec is a formal description language only		38% (44)
✗	Swagger is one vendor's implementation of the OpenAPI spec, while the spec is the original implementation		36% (42)
✗	Swagger refers to the output options for the OpenAPI spec, while the spec refers to the input options		7% (8)

	Answer	Count	
✗	Swagger refers to the interactive documentation generated while OpenAPI refers to the type of API	▉	19% (22)
		Total	100% (116)

Correct: 44   Partially correct: 0   Incorrect: 72   Lowest score: 0.00pts   Average score: 0.38pts
Highest score: 1.00pts

10. What's the difference between merge commits and rebasing in Git?

	Answer	Count	
✓	Merge commits fold in edits based on the real times, while rebasing rewinds the commit and places it on top the previous commit in a modified timeline	▉	38% (43)
✗	Merge commits are commits that integrate snapshots back into origin, whereas rebasing pulls snapshots from origin into each copy	▉	35% (40)
✗	Merge commits are commits from users who have cloned origin, while rebasing is a commit from users who have not cloned origin	▉	15% (17)
✗	There's no such things merge commits versus rebasing. These terms are made up. The real terms are commits and basing.	▉	12% (14)
		Total	100% (114)

Correct: 43   Partially correct: 0   Incorrect: 71   Lowest score: 0.00pts   Average score: 0.38pts
Highest score: 1.00pts

11. What is a build management system?

	Answer	Count	
✓	A tool engineers use to build code based on scripts that generate outputs often called artifacts	▉	42% (48)
✗	A system where engineers upload the builds for their applications	▉	16% (18)
✗	A tool that release management engineers use to note build outputs from various engineering projects, as a kind of ledger	▉	35% (40)
✗	The code logic that static site generators use to generate out site builds	▉	6% (7)
		Total	100% (113)

Correct: 48   Partially correct: 0   Incorrect: 65   Lowest score: 0.00pts   Average score: 0.42pts
Highest score: 1.00pts

12. What is a package manager?

	Answer	Count	
✓	A system for distributing code, tools, apps, plugins, etc., in a way that ensures the versions are compatible	▮	41% (46)
✗	A repository for browsing and selecting app bundles	▮	12% (14)
✗	A tool for configuring and distributing your app as a bundled package	▮	37% (42)
✗	A utility for optimizing and compressing your code as a small package	▮	10% (11)
		Total	100% (113)

Correct: 46   Partially correct: 0   Incorrect: 67   Lowest score: 0.00pts   Average score: 0.41pts
Highest score: 1.00pts

13. Where might you distribute an open-source sample app for a project?

	Answer	Count	
✓	GitHub	▮	84% (95)
✗	AWS S3	▮	4% (5)
✗	Your company's own web server	▮	9% (10)
✗	Heroku	▮	3% (3)
		Total	100% (113)

Correct: 95   Partially correct: 0   Incorrect: 18   Lowest score: 0.00pts   Average score: 0.84pts
Highest score: 1.00pts

14. What is a pull request?

	Answer	Count	
✓	A request to merge a change back into a cloned or forked repo	▮	56% (63)
✗	A request to make a copy of a repo	▮	26% (29)
✗	A request to fork a repo	▮	8% (9)
✗	A request to set up periodic pulls from a data source	▮	10% (11)

| Answer	Count
Total	**100% (112)**

Correct: 63   Partially correct: 0   Incorrect: 49   Lowest score: 0.00pts   Average score: 0.56pts
Highest score: 1.00pts

15. How might you create code syntax highlighting?

	Answer	Count
✓	Through a package such as rouge, Pygments, or Chroma coupled with a corresponding CSS stylesheet	28% (31)
✗	Syntax highlighting is executed through built-in browser APIs that identify code via proper semantic tagging of the code	23% (26)
✗	By incorporating a syntax highlighting CSS stylesheet into your project	34% (38)
✗	By adding a syntax highlighting JavaScript package and calling it from your code samples	15% (17)
	Total	**100% (112)**

Correct: 31   Partially correct: 0   Incorrect: 81   Lowest score: 0.00pts   Average score: 0.28pts
Highest score: 1.00pts

16. Why would you use Postman?

	Answer	Count
✓	Execute requests and get responses for REST API docs	77% (86)
✗	Package up requests into an envelope to be processed by a SOAP API	9% (10)
✗	Handle incoming traffic for requests and responses from an application	10% (11)
✗	Execute calls at specific points on a timeline	4% (5)
	Total	**100% (112)**

Correct: 86   Partially correct: 0   Incorrect: 26   Lowest score: 0.00pts   Average score: 0.77pts
Highest score: 1.00pts

17. What is a callback?

Answer	Count

Answer		Count	
✓	Functions passed as arguments -- often when a process finishes, the function is called		40% (44)
✗	A recursive function that starts over each time it finishes, creating a loop		12% (13)
✗	The packet of information returned to the caller after a routine finishes		36% (39)
✗	A parameter that has a pointer referencing its value		12% (13)
		Total	**100% (109)**

Correct: 44   Partially correct: 0   Incorrect: 65   Lowest score: 0.00pts   Average score: 0.40pts
Highest score: 1.00pts

18. What details should you describe about parameters?

Answer		Count	
✓	Data types, min-max, required/optional, examples		83% (91)
✗	Order, sequence, postive/negative		3% (3)
✗	Relationship, history, type, boolean		7% (8)
✗	Appearance, callbacks, negatives, booleans		6% (7)
		Total	**100% (109)**

Correct: 91   Partially correct: 0   Incorrect: 18   Lowest score: 0.00pts   Average score: 0.83pts
Highest score: 1.00pts

19. What symbol is used to indicate merge conflicts in Git?

Answer		Count
✓	>>>>>>	56% (60)
✗	!?	22% (24)
✗	///	7% (8)
✗	***	14% (15)
	Total	**100% (107)**

Correct: 60   Partially correct: 0   Incorrect: 47   Lowest score: 0.00pts   Average score: 0.56pts

20. What's the difference between a native library API and a REST API?

	Answer		Count
✓	Native library is a library you download and incorporate into your project; a REST API is called from the cloud and often delivers information (e.g., JSON) via HTTP	▮	50% (52)
✗	Native library is a library that ships with your software; REST API is a library that is added (optionally) later on to the "rest" of your code	▮	7% (7)
✗	Native library is a library that stores code in a specific language in the cloud; a REST API is programming code that is language agnostic and is coupled in with project code locally	▮	35% (36)
✗	Native libraries runs from the master server; REST APIs run on client servers	▮	9% (9)
		Total	100% (104)

Correct: 52   Partially correct: 0   Incorrect: 52   Lowest score: 0.00pts   Average score: 0.50pts
Highest score: 1.00pts

21. What is reStructured Text?

	Answer		Count
✓	A lightweight format similar to Markdown, also with no angle brackets	▮	58% (57)
✗	A text format that includes re-usable structures	▮	19% (19)
✗	A wiki syntax consisting of specific structures for each component type	▮	7% (7)
✗	A synonym for Markdown content used in document generators	▮	16% (16)
		Total	100% (99)

Correct: 57   Partially correct: 0   Incorrect: 42   Lowest score: 0.00pts   Average score: 0.58pts
Highest score: 1.00pts

22. What are static site generators?

	Answer		Count
✓	Tools that generate a website often from Markdown files through templates and other scripting	▮	48% (47)
✗	Tools that convert a dynamic site into a static one purely based on HTML rather than databases	▮	13% (13)

| Answer		Count
✕	Tools that generate websites based on static typing of inputs	7% (7)
✕	Tools that generate out HTML websites, usually based on XML formats	31% (30)
	Total	100% (97)

Correct: 47   Partially correct: 0   Incorrect: 50   Lowest score: 0.00pts   Average score: 0.48pts
Highest score: 1.00pts

23. What is Docs as Code?

Answer		Count
✓	Treating documentation like software developers treat code	64% (61)
✕	Code that functions like documentation because it is written in a literate, readable way	4% (4)
✕	Documentation interspersed as comments in code, unifying the domains of code and documentation that are typically seen as separate	19% (18)
✕	Documentation that functions programmatically within the developer's code	14% (13)
	Total	100% (96)

Correct: 61   Partially correct: 0   Incorrect: 35   Lowest score: 0.00pts   Average score: 0.64pts
Highest score: 1.00pts

24. What is distributed VCS?

Answer		Count
✓	Version control system that can be stored in remote repositories and merged back in to the origin when updates have been made	45% (42)
✕	A version control system that stores content in a centralized model where users check-in and check-out content	18% (17)
✕	A version control system that distributes commit permissions to all users rather than limiting admin control to a single individual	11% (10)
✕	A version control system based on distributed nodes controlled by a central origin	27% (25)
	Total	100% (94)

Correct: 42   Partially correct: 0   Incorrect: 52   Lowest score: 0.00pts   Average score: 0.45pts
Highest score: 1.00pts

25. What is the OpenAPI specification?

	Answer		Count
✓	A standard for describing REST APIs. Formerly known as Swagger		38% (35)
✗	An open-source specification standard that can be used when defining specifications		32% (30)
✗	A document model for defining access to an API, including licensing and re-use permissions		18% (17)
✗	A specification used for APIs that requires access to the API be open and fair for all users, regardless of their background or locale		12% (11)
		Total	100% (93)

Correct: 35   Partially correct: 0   Incorrect: 58   Lowest score: 0.00pts   Average score: 0.38pts
Highest score: 1.00pts

26. What are some common sections in web API reference documentation?

	Answer		Count
✓	Description, parameters, methods, sample requests, sample responses, and schemas		77% (69)
✗	Overview, CRUD operations, curl, and definitions		10% (9)
✗	Short descriptions, long descriptions, inputs, returns, throws		6% (5)
✗	Dependencies, parameters, status codes, troubleshooting		8% (7)
		Total	100% (90)

Correct: 69   Partially correct: 0   Incorrect: 21   Lowest score: 0.00pts   Average score: 0.77pts
Highest score: 1.00pts