Started on	Thursday, 27 March 2025, 3:46 PM
State	Finished
Completed on	Thursday, 27 March 2025, 3:55 PM
Time taken	8 mins 51 secs
Marks	13.00/15.00
Grade	**86.67** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Which line extracts all tag texts for a quote?

- a. q.css('div.tags a.tag::text').getall()
- b. q.css('a.tag::href').getall()
- c. q.css('div.tags a.tag').get()
- d. q.select('tags').all()

Question 2

Complete

Mark 1.00 out of 1.00

Why is dict(item) used before inserting into MongoDB?

- a. Items are not serializable directly
- b. To convert the response to JSON
- c. To remove metadata
- d. MongoDB only accepts strings

Question 3

Complete

Mark 1.00 out of 1.00

Which CSS selector correctly extracts quote text?

- a. span.text::text
- b. div.quote-text::value
- c. div.author
- d. a.tag[href]

Question 4

Complete

Mark 1.00 out of 1.00

Why might this CSS selector return None? quote.css('div.text::text').get()

- ○ a.   The element doesn't exist
- ◉ b.   Quotes use span.text, not div.text
- ○ c.   The site uses JavaScript rendering
- ○ d.   You forgot to install BeautifulSoup

Question 5

Complete

Mark 1.00 out of 1.00

In Scrapy, what does the start_urls attribute do?

- ○ a.   Stores downloaded pages
- ○ b.   Defines URLs for MongoDB
- ◉ c.   Automatically triggers the parse() method for each URL
- ○ d.   Registers middleware

Question 6

Complete

Mark 0.00 out of 1.00

You run db.quotes.find({ rating: 'Five' }).count() and get 0. What is a likely reason?

- ◉ a.   Ratings are stored as numbers
- ○ b.   You used the wrong MongoDB URI
- ○ c.   Scrapy removes the rating before storing
- ○ d.   The rating field wasn't scraped properly or pipeline was skipped

Question 7

Complete

Mark 1.00 out of 1.00

What is the purpose of defining an Item class in Scrapy?

- ○ a.   Stores request headers
- ○ b.   Replaces the parse() method
- ◉ c.   Provides structured data containers
- ○ d.   Automatically maps to MongoDB

Question 8

Complete

Mark 1.00 out of 1.00

What happens if the next_page selector returns None?

- ○ a.   Scrapy skips the URL
- ◉ b.   The crawl ends gracefully
- ○ c.   Scrapy restarts from the first page
- ○ d.   Scrapy throws an error

Question 9

Complete

Mark 1.00 out of 1.00

What is the primary role of the Scrapy Engine?

- ○ a.   Manage HTML parsing
- ○ b.   Render JavaScript-based pages
- ○ c.   Send data to MongoDB
- ◉ d.   Coordinate requests, responses, and items between components

Question 10

Complete

Mark 1.00 out of 1.00

Which setting enables a custom pipeline in Scrapy?

- ○ a.   SPIDER_PIPELINE
- ◉ b.   ITEM_PIPELINES
- ○ c.   MONGO_PIPELINE
- ○ d.   ITEM_STORAGE_BACKEND

Question 11

Complete

Mark 1.00 out of 1.00

Where is the MongoDB connection usually initialized in a Scrapy pipeline?

- ○ a.   parse()
- ○ b.   __init__()
- ○ c.   settings.py
- ◉ d.   open_spider()

Question 12

Complete

Mark 1.00 out of 1.00

What is the result of calling insert_one() in process_item() but forgetting to close the client in close_spider()?

- ○ a.   MongoDB auto-closes everything safely
- ● b.   It works, but may cause a memory leak or leave open connections
- ○ c.   Data will not be written at all
- ○ d.   Scrapy crashes

Question 13

Complete

Mark 1.00 out of 1.00

Which method in a Spider is called for each response?

- ○ a.   yield()
- ○ b.   scrape()
- ● c.   parse()
- ○ d.   start_requests()

Question 14

Complete

Mark 0.00 out of 1.00

Which of the following can be returned from a Spider's parse() method?

- ● a.   Only Items
- ○ b.   Either Items or Requests
- ○ c.   Only Response objects
- ○ d.   Only Requests

Question 15

Complete

Mark 1.00 out of 1.00

What will happen if you forget to return the item in process_item()?

- ○ a.   It crashes
- ○ b.   Scrapy skips it
- ○ c.   MongoDB inserts an empty document
- ● d.   Data will not pass to next pipeline or output