Here's a breakdown of the class topics, their timestamps, and the associated reflection questions, parsed from the provided JSON text:

## **Daily Schedule and Reflection Questions**

### **10:00 - 10:15 AM | Morning Huddle**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* What is your chosen mini-project idea and its core purpose?

AI Art Generator with Style Transfer.

* How clear is your AI-assisted logic outline from yesterday?

The AI assisted in having a plan with the purpose statement, target users & core features.

* What aspects of translating logical steps into AI prompts are you most curious about?

Seeing the outcome with each of these.

* How confident do you feel about directing AI to generate Python functions?

Better than a week ago, I have a bit of understanding of the variables and conditional “IF/ELSE”, those will apply with the features.

### **10:15 - 11:15 AM | From Logic Outline to AI Prompts**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* What insights did you gain when reviewing your 'AI-Assisted Logic Outline' from Saturday?

The AI helped me organize my thoughts, arguments, and content in a clear, structured, and coherent way. Also helped in:

 **Save time:** By automating the initial structuring process.

 **Improve clarity:** By ensuring a logical and organized presentation of ideas.

 **Enhance creativity:** By suggesting new ideas and perspectives.

 **Reduce writer's block:** By providing a clear roadmap for your writing.

* What happened when you practiced: 'AI, if one step in my project is [specific logical step], what would be a good, clear prompt to give you to generate a Python function that does just that one step?'

It gave a function name, description and specification about the file path extension, how it works and the validation when the function succeeds or fails with “IF/ELSE”logic with result or error message.

* How did the discussion about prompting for function inputs and outputs help you understand the process?

It summarizes as: the input parameters are what the function *receives* to perform its task, and the output value is what the function *produces* as a result of that task. With the code and explanation of the Input mandatory path and optional, with the output values for each.

* What strategies did you learn for telling AI what information a function needs (inputs/parameters) and what it should give back (return value)?

The strategy suggested by AI is essentially a breakdown of the function's internal logic, ensuring it meets all the requirements from the prompt. Also, it directly maps the requirements into actionable code steps, covering input handling, internal logic, and error management, leading to a robust function implementation.

* How has your approach to structuring AI prompts improved?

The breakdown of each step, with internal logic and how it functions, improves the process.

### **11:15 AM - 12:45 PM | AI Generates Core Project Functions**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* How did you craft clear AI prompts for each logical step/function, specifying purpose, inputs, and expected returns?

Through a breakdown for each function to have focused prompts, making it easier to generate or refine them individually. It gives clear structure for each feature name, purpose , Input (parameters) & output (values) with error handling as well.

* What happened when you tried prompts like: 'AI, generate a Python function called get\_user\_words that asks the user for a noun, a verb, and an adjective, and returns these three words'?

Got a Python function code with the definition, defining inputs and outputs as below:

 **"Please enter a noun:"** The first thing this function does is ask you, the user, to type in a noun. Whatever you type, the computer remembers it and stores it in a box labeled noun.

 **"Please enter a verb:"** Next, it does the same thing for a verb, storing what you type in a box labeled verb.

 **"Please enter an adjective:"** And finally, it asks for an adjective, putting that into a box called adjective.

 **"Return these words:"** Once it has all three words, the function then "gives back" or **returns** those three words (noun, verb, adjective) to wherever the function was called from. It hands them over as a little package.

* How successfully did you save your AI-generated functions in Cursor and commit them to GitHub?
* What challenges did you encounter while directing AI to generate your project's core logic?
* How well do the AI-generated functions match your original vision from the logic outline?
* What refinements or improvements would you like to make to these functions?

### **12:45 - 1:45 PM | Lunch Break**

**Topic:** Break time **Reflection Question:**

* What insights about AI function generation did you share during your break discussions?

### **1:45 - 3:00 PM | Understanding AI's Functions with AI's Help**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* Which key AI-generated function from your project did you choose to analyze?
* What did AI explain when you prompted: 'Explain this Python function [paste code] step-by-step. What is its main input? What is its main output? Why did you structure it this way?'
* How successfully did you write a short summary in your own words of what that function does and how it fits into your project?
* What aspects of the function's structure and logic make the most sense to you now?
* What questions do you still have about how the function works?

### **3:00 - 3:45 PM | Explaining Your Project's 'Engine' to a Peer**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* How did you briefly state your mini-project's purpose to your partner?
* How effectively did you explain what your main AI-generated functions do and how they contribute to the project, using your own words?
* What feedback did your partner give when you asked: 'Was that clear? Did you understand what that part of my project does?'
* What did you learn from hearing your partner explain their project's logic?
* How did this exercise help you better understand your own project?
* What aspects of explaining technical concepts do you want to improve?

### **3:45 - 4:00 PM | Daily Reflection**

**Topic:** Algorithm Thinking & AI Function Generation **Reflection Questions:**

* How well did AI translate your logic outline into actual Python functions?
* What was clearest about AI's code explanations, and what was still muddy for you?
* How confident do you feel about the core logic foundation of your mini-project?
* What surprised you most about directing AI to generate functions?
* What aspects of function design and structure do you understand better now?