# JavaScript Class\_Practice09 | Asynchronous JavaScript & Modules

## TASK-PART-1

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*1. Create a class called Actions (in utils package and in a file called as actions.js)*

*2. Create 3 static asynchronous functions with the details given below in this class*

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## TASK-PART-2

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*Create a function called as visitUrl()*

*- it takes an argument url*

*- it returns a Promise which will be resolved if url starts with 'www' or 'https://'*

*- resolve message will be 'URL visited successfully'*

*- the Promise will be rejected if url does not start with 'www' or 'https://' with a message 'Wrong URL'*

*- delay this method for 1 second for demo purposes*

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## TASK-PART-3

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*Create a function called as login()*

*- it takes 2 arguments username and password*

*- it returns a Promise which will be resolved if username = 'TechGlobal' and password = 'Test1234'*

*- resolve message will be 'Logged in successfully'*

*- the Promise will be rejected whether username or password is wrong with a message 'Wrong credentials'*

*- delay this method for 3 seconds for demo purposes*

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## TASK-PART-4

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*Create a function called as validateTitle()*

*- it takes an argument title*

*- it returns a Promise which will be resolved if the title is not empty, undefined or null*

*- resolve message will be 'Title validated successfully'*

*- the Promise will be rejected if title is empty, null or undefined with a message 'Wrong title'*

*- delay this method for half a second for demo purposes*

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## TASK-PART-5

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*Export the Actions class with CommonJS Modules (using module.exports)*

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## TASK-PART-6

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*Create a new file called as practice09.js (under practices package)*

*Import the Actions class with CommonJS Modules (using require)*

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## TASK-PART-7

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*Create a test method called as test1()*

*- Invoke visitUrl(), login() and validateTitle() synchronously in this method (use then() and catch() methods)*

*- Validate the output is as below*

*OUTPUT:*

*URL visited successfully*

*Logged in successfully*

*Title validated successfully*

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## TASK-PART-8

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*Create a test method called as test2()*

*- Invoke visitUrl(), login() and validateTitle() synchronously in this method (use async-await keywords)*

*- Validate the output is as below*

*OUTPUT:*

*URL visited successfully*

*Logged in successfully*

*Title validated successfully*

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**NOTE:** To practice errors, provide wrong URL, credentials, or title respectively to make sure your error-handling works properly.