

## Back-end High-Level Testing plan (Sprint 1)

Write tests for the following:

Functionality	Variations	Progress
Fetch data from the database	Successfully returning correct data when querying an <b>existing</b> : <ul style="list-style-type: none"><li>• Function</li><li>• Documentation</li><li>• Problem</li></ul>	
	Safely contain and return an error message when querying an <b>non-existing</b> : <ul style="list-style-type: none"><li>• Function</li><li>• Documentation</li><li>• Problem</li></ul>	
	Safely contain the querying of a <b>null-field</b> , return null	
	Safely contain and return an error message when querying a <b>non-valid</b> : <ul style="list-style-type: none"><li>• function</li><li>• documentation</li><li>• problem</li></ul> for which mandatory fields are not stored	
Add data to the database	After POSTing new data to the database, the same correct data is GETable for: <ul style="list-style-type: none"><li>• Function</li><li>• Documentation</li><li>• Problem</li></ul>	
	Safely containing POSTing empty data	
Successfully embed the Planimation Plugin to the website	Ensure that the Planimation window is visible on each function's page	
	Safely contain errors when Planimation website is down or not working: display an error message describing the error.	
Search function for data	Ensure searching for an exact/partial but consecutive function name of an existing function filter the correct functions	
	Ensure querying similar function names or keywords can return results	
	Safely contain null searches	