

Unit Test

Id	Layer	Test Content	Test Environment	Result	Time
1	service & database	Register a valid account	Backend server	Pass	0.89s
2	service & database	Register an invalid account(Registered email)	Backend server	Pass	0.44s
3	service & database	Register an invalid account(Registered student ID)	Backend server	Pass	0.66s
4	service & database	User login succeed	Backend server	Pass	0.45s
5	service & database	User login fail(Email not exists)	Backend server	Pass	0.43s
6	service & database	User login fail>Password not correct)	Backend server	Pass	0.44s
7	service & database	Search by username	Backend server	Pass	1.31s
8	service & database	Search by user ID	Backend server	Pass	1.1s
9	service & database	Search by Email address	Backend server	Pass	1.1s
10	service & database	Search by Firstname	Backend server	Pass	1.76s
11	service & database	Search by Lastname	Backend server	Pass	1.1s
12	service & database	Search by information does not exist in database	Backend server	Pass	1.08s
13	service & database	Update a valid Avatar	Backend server	Pass	1.1s
14	service & database	Update an empty Avatar	Backend server	Pass	0.25s
15	service & database	Access to a user's profile	Backend server	Pass	0.23s
16	service & database	Update a user's profile	Backend server	Pass	2.49s
17	service	Encrypt & Compare passwords	Backend server	Pass	0.01s
18	service	Encode & Decode files(200kb)	Backend server	Pass	0.01s

Integration Test

Id	Layer	Test Content	Test Environment	Result	Time
1	frontend & service & database	Login with a valid account	Frontend server	Pass	1.296s
2	frontend & service & database	Login with a wrong email	Frontend server	Pass	0.718s
3	frontend & service & database	Login with a wrong password	Frontend server	Pass	0.725s
4	frontend & service & database	Register a valid account	Frontend server	Pass	0.790s
5	frontend & service & database	Register with a duplicated email	Frontend server	Pass	0.739s
6	frontend & service & database	Register with a duplicated ID	Frontend server	Pass	0.726s
7	frontend & service & database	Search with an existed name	Frontend server	Pass	2.224s
8	frontend & service & database	Generate a new sharable link	Frontend server	Pass	5.874s

System Test

Stress Test	Content	Result			
1	Simultaneous login	<1000			
2	Simultaneous search	<100			

	3	Simultaneous upload	<200			
Load Test						
	1	Simultaneous login	Pass			
	2	Simultaneous search	Pass			
	3	Simultaneous upload	Pass			
Beta Test		Content	Result			
		Evaluate product performance	In the Test Report			