

## Milestone 2: BackEnd Unit Tests

Package	Class	Method	Test#	Test	Expected Result	Expected Status	Expected Status Code	Result
Web	UserController	registerUser()	1	create admin with correct details	Success	isCreated()	201	Pass
			2	create publisher with correct details	Success	isCreated()	201	Pass
			3	create user with correct details	Success	isCreated()	201	Pass
			4	userName already exists	Error/Exception	isBadRequest()	400	Pass
			5	missing fullName	Error/Exception	isBadRequest()	400	Pass
			6	missing username	Error/Exception	isBadRequest()	400	Pass
			7	missing password (also covers password length < 6)	Error/Exception	isBadRequest()	400	Pass
			8	missing confirm password	Error/Exception	isBadRequest()	400	Pass
			9	missing role	Success	isCreated()	201	Pass
			10	password and confirm password don't match	Error/Exception	isBadRequest()	400	Pass
			11	password length greater than 20 characters	Error/Exception	isBadRequest()	400	Pass
			12	username not an email	Error/Exception	isBadRequest()	400	Pass
		authenticateUser()	13	successful login	Success	isOK()	200	Pass
			14	unsuccessful login: username incorrect	Error/Exception	isUnauthorized()	401	Pass
			15	unsuccessful login: password incorrect	Error/Exception	isUnauthorized()	401	Pass
			16	unsuccessful login: user doesn't exist	Error/Exception	isUnauthorized()	401	Pass
		getAllUsers()	17	no users in DB	return empty	isOK()	200	Pass
			18	one user in DB	return with one	isOK()	200	Pass
			19	many users in DB	return with many	isOK()	200	Pass
Service	UserService	saveUser(User newUser)	1	save admin to DB	Success	-	-	Pass
			2	save publisher to DB	Success	-	-	Pass
			3	save user to DB	Success	-	-	Pass
			4	userName already exists	Failure/Exception	-	-	Pass
			5	null argument	Failure/Exception	-	-	Pass
		findAllUsers()	6	no users in DB	Empty Iterable	-	-	Pass
			7	one user in DB	Iterable is not empty	-	-	Pass
			8	many users in DB	Iterable has size equal	-	-	Pass
		deleteAllUsers()	9	no users in DB	no action	-	-	Pass
			10	one user in DB	user deleted	-	-	Pass
			11	many users in DB	all users deleted	-	-	Pass
Repository	UserRepository	findByUsername(String username)	1	username exists	return user object	-	-	Pass
			2	username does not exist	return null	-	-	Pass
			3	null argument	return null	-	-	Pass
		getById(Long id)	4	ID exists	return user object	-	-	Pass
			5	Id does not exist	return null	-	-	Pass
			6	null argument	return null	-	-	Pass
		findAll()	7	no users in DB	Empty Iterable	-	-	Pass
			8	one user in DB	Iterable is not empty	-	-	Pass
			9	many users in DB	Iterable has size equal	-	-	Pass