# Milestone 3: BackEnd Unit Tests

## loginmicroservices

<u>Package</u>	<u>Class</u>	<u>Method</u>	Test#	<u>Test</u>	Expected Result	Expected Status	Expected Status Code	Result
			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
	UserController	11 password length greater than 20 characters 12 username not an email	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
Web			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
			Error/Exception	isBadRequest()	400	Pass		
			13	successful login	Success	isOK()	200	Pass
		authenticateUser()	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
		1 save admin to DB 2 save publisher to DB	1	save admin to DB	Success	-	-	Pass
			save publisher to DB	Success	-	-	Pass	
		saveUser(User newUser)	3	save user to DB		-	Pass	
	UserService		4	userName already exists	Failure/Exception	-	-	Pass
			5	null argument	Failure/Exception	-	-	Pass
Service		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 equ	-	-	Pass
			9	no users in DB	no action	-	-	Pass
		delete All Users ()	10	one user in DB	user deleted	-	-	Pass
			11	many users in DB	all users deleted	-	-	Pass
			1	username exists	return user object	-	-	Pass
		findByUsername(String username)	2	username does not exist	return null	-	-	Pass
			3	null argument	return null	-	-	Pass
	UserRepository	getByID(Long id)	4	ID exists	return user object	-	-	Pass
Repository			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 equ	-	-	Pass

## Milestone 3: BackEnd Unit Tests

### requestsmicroservices

Package	Class	<u>Method</u>	Test#	<u>Test</u>	Expected Result	Expected Status	<b>Expected Status Code</b>	Result
		createRequest()	1	Create request with correct details	Success	isCreated()	201	pass
		createnequesi()	2	Create request with incorrect details	Error/Exception	isBadRequest()	400	pass
		deleteByid(id)	3	Request exists	Success	isOK()	200	error
Web	RequestController	deletebyla(la)	4	Request doesn't exist	Success	isOK()	200	error
			5	no request in DB	return empty	isOK()	200	pass
		getAllRequest(principal)	6	one request in DB	return with one	isOK()	200	pass
			7	many request in DB	return with many	isOK()	200	pass
		createRequest(newRequest, userString,						
		requestString)	1	save request to DB	Success	-	-	pass
			2	no requests in DB	Empty collection	-	-	pass
		findAllRequests()	3	one requests in DB	collection is not empty	-	-	pass
			4	many requests in DB	collection has size equal to db.count()	-	-	pass
Service	RequestService	saveOrUpdateRequest(request)	5	save or update request in db	Success	-	-	pass
		deleteById(id)	6	id exists	Success	-	-	pass
		deletebyla(la)	7	id does not exists	Error/Exception	-	=	pass
			8	empty db	No action	-	-	pass
		delete All Requests	9	one request in db	Success	-	-	pass
			10	many request in DB	Success	-	-	pass
			1	no users in DB	Empty Collection	-	-	pass
Repository	RequestRepository	findAll()	2	one user in DB	Collection is not empty	-	-	pass
			3	many users in DB	Collection has size equal to db.count()	-	<del>-</del>	pass

# Milestone 3: BackEnd Unit Tests

## bookmicroservices

Package	Class	Method	Test#	Test	Expected Result	Expected Status	Expected Status Code	Result
			1	no books in DB	return empty	isOK()	200	TBC
		findAll(pageable, searchtext)	2	one book in DB	return with one	isOK()	200	TBC
			3	many books in DB	return with many	isOK()	200	TBC
		findAll(pageNumber,pageSize,	4	no books in DB	return empty	isOK()	200	TBC
		sortBy, sortDir)	5	one book in DB	return with one	isOK()	200	TBC
		sortby, sortbir)	6	many books in DB	return with many	isOK()	200	TBC
		findById(id)	7	book in db	return with user	isOK()	200	TBC
Web	BookController	ililubylu(lu)	8	book not in db	Error/Exception	isBadRequest()	400	TBC
web	BOOKCOIItiollei	save(Book)	9	Create book with correct details	Success	isCreated()	201	TBC
		Save(BOOK)	10	Create book with incorrect details	Error/Exception	isBadRequest()	400	TBC
		undate(Rook)	11	book is in database	Success	isOK()	200	TBC
		upuate(Book)	update(Book)  12 book is not in database  Success  isOK()	isOK()	200	TBC		
		deleteById(id)	13	book exists	Success	isOK()	200	TBC
		deletebyld(ld)	14	book doesn't exist	Success	isOK()	200	TBC
		findAllLanguages()	dAllLanguages() 15 get languages Success isOK()	200	TBC			
		findAllGenres()	16	get genres	Success	isOK()	200	TBC
			1	no books in DB	Empty collection	-	-	pass
		findAll()	2	one books in DB	collection is not empty	-	-	pass
			3	many books in DB	collection has size equal to db.count()	-	-	pass
Service	BookServiceImpl	findById(id)	4	book in db	is present returns true	-	-	pass
Service	Bookserviceiiiipi	ililabyla(la)	5	book not in db	is present returns false	-	-	pass
		saveOrUpdate(book)	6	save user in db	Success	-	-	pass
		deleteById(id)	7	id exists	Success	-	-	pass
		deletebyld(ld)	8	id does not exists	Error/Exception	-	-	pass
			1	no users in DB	Empty Page	-	-	Pass
Repository	BookRepository	findAllBooks	2	one user in DB	Page is not empty	-	-	Pass
			3	many users in DB	Page has size equal to db.count()	-	-	Pass

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