

TEAM NAME: FS_TEAM_162

PROJECT CONTRIBUTORS:

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PROJECT: ONLINE BLOOD BANK APP USING ANGULAR AND SPRINGBOOT

BACKEND TESTING USING JUNIT AND MOCKITO

TESTER: ANURAAG BISWAS DATE OF TEST: 1 APRIL 2021	SOFTWARE REQUIREMENTS 1) SPRING BOOT 2) MAVEN 3) JUNIT 4) MOCKITO 5) SPRING WEB
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TEST NAME	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
Get Sample By Group	Return Sample matching the Group	Sample returned with matching group	PASS
Remove Blood Sample	Remove Blood Sample From Database	Blood sample removed	PASS
Show Blood Samples	Show all blood samples available to the user	All blood samples shown	PASS
Get Sample By ID	Return blood sample with matching ID	Blood sample with matching id returned	PASS
Add Blood Sample	Add blood sample to the database	Blood sample added to database	PASS
Update Blood Sample	Update blood sample details	Blood sample details updated	PASS
Check User	Check user credentials and allow login	Login allowed (TRUE)	PASS
Save Users	Save new user to the database	User saved (TRUE)	PASS
Get Donor By Blood Group	Get all donors matching the blood group	List of all donors with matching blood group returned	PASS

Update Donor Details	Update donor details with matching ID	Donor details updated	PASS
Remove Donor	Remove Donor from database	Donor removed from the database	PASS
Add Donor	Add new donor in database	New donor added	PASS
Get All Donors	Get list of all donors	List of all donors returns	PASS
Get Donor By ID	Get Donor Details matching ID	Donor with matching ID returned	PASS

✓ tests (com.example)	407 ms
✓ BankTest	356 ms
✓ getSampleByGroupTest	55 ms
✓ removeBloodSampleTest	12 ms
✓ showBloodSampleTest	4 ms
✓ getSampleByIdTest	9 ms
✓ addBloodTest	265 ms
✓ updateBloodSampleTest	11 ms
✓ LoginTest	7 ms
✓ checkUserTest	7 ms
✓ SignupTest	6 ms
✓ saveUsersTest	6 ms
✓ DonorTest	38 ms
✓ getDonorByGroupTest	8 ms
✓ updateDonorTest	7 ms
✓ removeDonorTest	5 ms
✓ addDonorTest	5 ms
✓ getDonorTest	6 ms
✓ getDonorByIdTest	7 ms

Figure 1: IntelliJ J screenshot showing all the passed tests.

API TESTING

TESTER: ANURAAG BISWAS DATE OF TEST: 31 March 2021 SERVER: localhost:8080	SOFTWARE REQUIREMENTS 1) SPRING BOOT 2) POSTMAN
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API ENDPOINT	REQUEST TYPE	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
/signup	POST	Return true or false	True or false returned (depending on user signup)	PASS
/login	POST	Return true or false	True or false returned (Depending on successful login)	PASS
/logout	POST	Return true	True returned (successful logout)	PASS
/UserDetails/{id}	GET	Return user details with no password	User object returned with password attribute null	PASS
/donor	GET	Get list of all donors	A list of donor object returned	PASS
/donor/{group}	GET	Get list of all donors with matching blood group	A list of donors with given blood group returned	PASS
/donor/{id}	GET	Get donor details with matching id	Donor object return with matching id	PASS
/admin/donor/{id}	PUT	Update a donor details	Donor details updated	PASS
/admin/donor/{id}	DELETE	Delete a donor from dataset with matching id	Donor object removed with matching id	PASS
/admin/addDonor	POST	Add new donor to database	New donor added	PASS
/sample	GET	Get list of all samples	A list of all samples which are less than 91 days old are returned	PASS

/sample/{group}	GET	Get a sample with matching blood group	Sample object with matching blood group returned	PASS
/admin/sample/{id}	PUT	Update sample details	Sample details updated	PASS
/admin/sample/{id}	DELETE	Delete a sample for the database	Sample removed	PASS
/admin/addSample	POST	Add a sample to the database	New sample added to the database	PASS

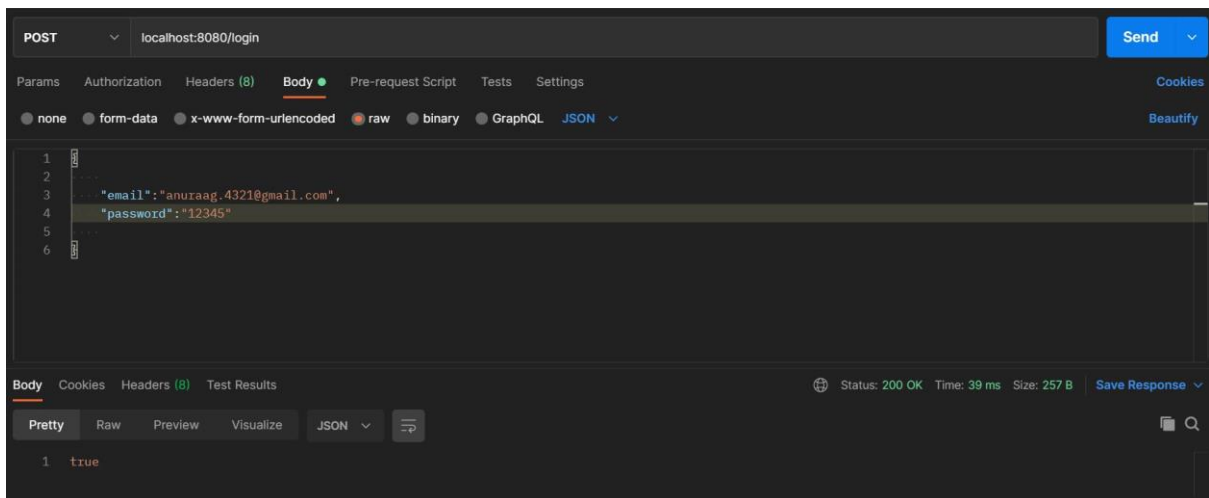


Figure 2: screenshot of Postman for /signup api

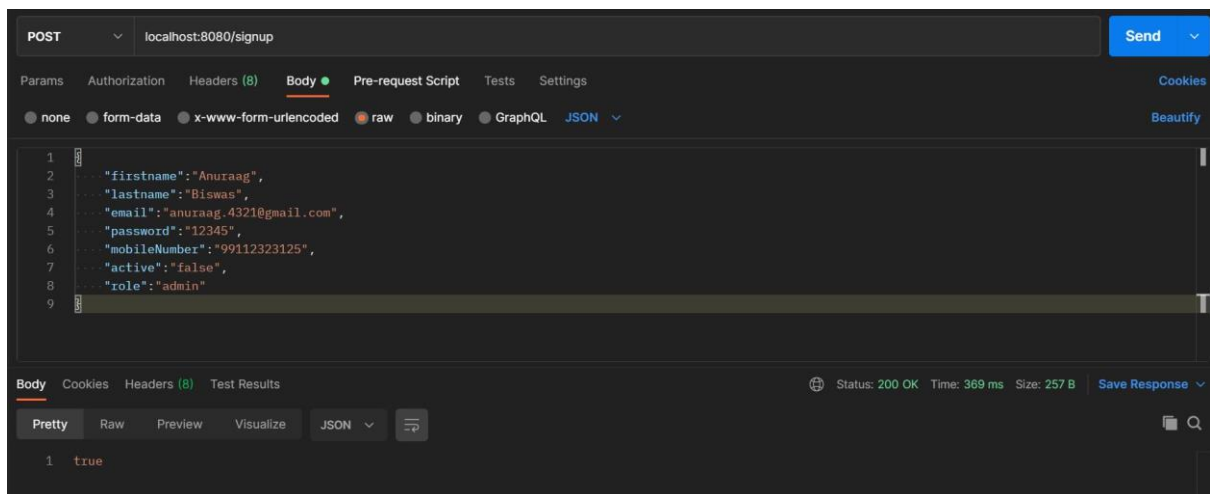


Figure 3: screenshot of Postman for /login api