Back-End PHP Testing

Below is a table that represents the tests for each of our backend files.

File and Test Type	Input Data (JSON Parameters)	Expected Result	Actual Result	Database Change	Pass/Fail
acceptReject.php (Reject)	choice: "Reject" priceOffer: "15" applicationID: "28"	"1"	"1"	Yes	Pass
acceptReject.php (Accept)	choice: "Accept" priceOffer: "15" applicationID: "28"	"1"	"1"	Yes	Pass
api.php	N/A	API key	API key	N/A	Pass
applicationThumbnail.php (Successful)	applicationID: "28"	An array of data needed for the application thumbnail	An array of data needed for the application thumbnail	N/A	Pass
applicationThumbnail.php (Invalid applicationID)	applicationID: "29"	"error"	"error"	N/A	Pass
calculateJobsComplete.php (Successful)	userID: "1"	2	2	N/A	Pass
calculateJobsComplete.php (Invalid userID)	userID: "100"	0	0	N/A	Pass
calculateReviewScore.php (Successful)	userID: "1"	2.5	2.5	N/A	Pass
calculateReviewScorephp (Invalid userID)	userID: "100"	0	0	N/A	Pass
chat.php (Successful)	userID: "1"	"lkaasan"	"lkaasan"	N/A	Pass
chat.php (Invalid userID)	userID: "100"	"error"	"error"	N/A	Pass
chatViewUser.php (Successful)	username: "lkaasan"	"1"	"1"	N/A	Pass
chatViewUser.php (Invalid username)	username: "lkaasan1"	"error"	"error"	N/A	Pass
checkOutstandingJob.php (Outstanding)	jobID: "4" applyingID: "2"	True	True	N/A	Pass
checkOutstandingJob.php (No outstanding)	jobID: "4" applyingID: "1"	False	False	N/A	Pass
checkPriorReview.php (Prior Review)	jobID: "10" userID: "2" userPostedID: "4"	True	True	N/A	Pass
checkPriorReview.php (No Prior Review)	jobID: "2" userID: "5" userPostedID: "1"	False	False	N/A	Pass
checkReject.php (application has been rejected)	jobID: "17" userIDLoggedIn: "4" userNameOtherUser: "d016"	-1	-1	N/A	Pass
checkReject.php (application has not been rejected)	jobID: "15" userIDLoggedIn: "17" userNameOtherUser: "asmale"	1	1	N/A	Pass
config.php		Establish connection with database	Establish connection with database	N/A	Pass

Test	Input	Expected Output	Actual Output		Result
createApplication.php (New Application)	jobID: "17" userID: "1" price_offer: "15"	"success"	Unhandled Promise Rejection	No	Fail (It works in the actual app, but not specific testing)
createApplication.php (same job and user applying)	jobID: "2" userID: "3" price_offer: "12"	"success"	Unhandled Promise Rejection	No	Fail (It works in the actual app, but not specific testing)
edit.php (successful)	firstname: "Lukas" lastname: "Kaas Andersen" username: "lkaasan" email: "lukas@gmail.com" address: "testAddess" phone_number: "21321312321" userID: "1"	"success" (successfully changes address and phone number"	"success"	Yes	Pass
forgotPassword.php (Successful)	email: "lukas@gmail.com password: "hello123."	"success"	"success"	Yes	Pass
forgotPassword.php (invalid email)	email: "lukas@gmail password: "hello123."	"email doesn't exist"	"email doesn't exist"	Yes	Pass
getApplications.php (Successful)	id: "1"	An array of applicationID's for that id	An array of applicationID's for that id	N/A	Pass
getApplications.php (invalid id)	id: "50"	-1	-1	N/A	Pass
getJobApplications.php (Successful)	id: "1"	An array of applicationID's along with their status for that id	An array of applicationID's along with their status for that id	N/A	Pass
getJobApplications.php (invalid id)	id: "50"	-1	-1	N/A	Pass
getJobs.php (Successful)	id: "1"	An array of jobID's for that id	An array of jobID's for that id	N/A	Pass
getJobs.php (invalid id)	id: "50"	-1	-1	N/A	Pass
getPhoto (Successful)	uName: "bobby2"	"uploads/88photo.jpeg"	"uploads/88photo.jpeg"	N/A	Pass
getPhoto (invalid username)	uName: "testtesttest"	'' (empty string)	'' (empty string)	N/A	Pass

insertSpecialities.php (Successful)	id: "1" array: ["9", "10", "11"]	1	1	N/A	Pass
job.php (Successful)	jobID: "1"	An array of job details for that jobID		N/A	Pass
job.php (job doesn't exist)	jobID: "50"	"job doesn't exist"	"job doesn't exist"	N/A	Pass
jobComplete.php (Successful)	jobID: "17"	1	1	Yes	Pass
jobsDate.php (Successful)	userID: "17"	An array of jobID's from more recent to least recent and their completion status that aren't the user's own jobs	An array of jobID's from more recent to least recent and their completion status that aren't the user's own jobs	N/A	Pass
login.php (Successful)	username: "lkaasan" password: "hello123."	userID of the user who has just logged in	userID of the user who has just logged in	N/A	Pass
login.php (Unsuccessful)	username: "lkaas" password: "hel1"	-1	-1	N/A	Pass
nearbyJobs (Successful)	userID: "1"	Returns an array of jobID's and the corresponding address that aren't jobs posted by the userID	Returns an array of jobID's and the corresponding address that aren't jobs posted by the userID	N/A	Pass
post.php (Successful)	taskT: "Wall Painting" taskD: "I need my wall painted" p: "20" ID: "1" Speciality: "DIY/Craft" Image: "uploads/test"	1	1	N/A	Pass
profile.php (Successful)	userID: "1"	An array of user's details	An array of user's details	N/A	Pass
profile.php (user doesn't exist"	userID: "50"	"user doesn't exist"	"user doesn't exist"	N/A	Pass
recommendedJobs.php (Successful)	id: "1"	Return an array of recommended jobs based on user's specialities, and shuffles the order	Return an array of recommended jobs based on user's specialities, and shuffles the order	N/A	Pass
removeUser.php (Successful)	jobID: "6"	"success"	"success	N/A	Pass
removeUser.php (erroneous)	jobID: "8"	"error"	"error"	N/A	Pass
reviews.php (Successful)	jobID: "1" type: "post"	Returns an array of reviews for that specific job	Returns an array of reviews for that specific job	N/A	Pass
search.php (Successful)	searchInput: "Fence" id: "1" filter: 7	An array of jobs and details according to input data	An array of jobs and details according to input data	N/A	Pass
search.php (No jobs according to search)	searchInput: "Hello" id: "1"	-1	-1	N/A	Pass

	filter: 7				Pass
signUp.php (Successful)	username: "testinguser" fname: "testing" lname: "user" dob: "2002-02-08" address: "testing address" email: "test@yahoo.com" phone: "08392010203" password: "testPassword"	Return an array with the new userID and username of user	Return an array with the new userID and username of user	Yes	Pass
signUp.php (email exists)	username: "testinguser" fname: "testing" lname: "user" dob: "2002-02-08" address: "testing address" email: "test@gmail.com" phone: "08392010203" password: "testPassword"	"email already exists"	"email already exists"	No	Pass
signUp.php (username exists)	username: "Ikaasan" fname: "testing" lname: "user" dob: "2002-02-08" address: "testing address" email: "test@yahoo.com" phone: "08392010203" password: "testPassword"	"username already exists"	"username already exists"	No	Pass
specialities.php (Successful)	N/A	Returns an array of all specialities with their ID	Returns an array of all specialities with their ID	N/A	Pass
upload.php (Successful)	N/A	Uploads photo to backend	Uploads photo to backend	N/A	Pass
viewProfile.php (Successful)	userID: "1"	Returns an array of user details for that userID	Returns an array of user details for that userID	N/A	Pass
viewProfile.php (user doesn't exist)	userID: "50"	"user doesn't exist"	"user doesn't exist"	N/A	Pass
writereview.php (Successful)	userID: "1" rating: "5" review_text: "very good job" jobid: "17" userposted: "2"	1	1	Yes	Pass