SYSTEM TESTING

Guyana Police Force Electronic Certificate of Character (GPF-ECC)

Prepared for

The Guyana Police Force

Prepared by

592 Logistics

December 2022

Department of Computer Science, University of Guyana

CSE2101 - Software Engineering I

Semester Project - Submission 4

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Due Date: 9th December 2022

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Test Case One

Functional Requirement: Authorized employees should be able to review reports produced weekly

Test case ID	TC_GPF_ECC_1
Test Priority	High
(Low/Medium/High):	
Test Title/Name:	Authorized employees view reports produced weekly
Test Summary/Description	A test to verify that the system automatically generates reports from
	9:00 am every Monday using data inputted into the system, on or
	before Sunday 12:00 am every week.
	1. A total number of applications received, grouped by the
	reason for application.
	2. The number of certificates of characters issued, where there is
	a previous conviction.
	3. The total number of applications, grouped by region.
	4. Number of migrants applicants.
	The test will verify the following:
	1. That the schedule configured in the system is being run
	correctly and at the exact time configured.
	2. The reports are delivered via email only to the users
	configured in the system who are part of the "Officers in
	Charge" user group.

Pre-conditions	1. A user account should be a member of the "Officers in
	Charge," this user group has access privileges to view reports
	in the system.
	2. All users, other than the person applying for a certificate must
	be logged out of the system before the scheduled runtime of
	the report.
	3. The schedule for generating reports is configured in the
	system by the system administrator.
	4. The email server that emails the reports is online.
Donandonoios	1 Internet and network connectivity
Dependencies	Internet and network connectivity
	2. Electricity
	3. Email Server online
	4. Application server online
Test Steps	Login into the system as a user with "System Administrator"
	privileges.
	2. Access the "Automated Reports configuration" section of the
	application system.
	3. In the section of the configuration that indicates who will
	receive the reports: input one user who is not a member of the
	"Officers in Charge" user group and one user who is a
	member.
	4. Set the time 12:01 am as the start time to begin running the

reports.

- 5. In the section of the configuration that indicates the email delivery time, set the time as 8:55 am, Monday, frequency: Weekly.
- 6. In the section of the configuration that indicates the report to be generated, select the required reports.
- 7. Save the configuration and log out.
- 8. Login to the email addresses of the user's configured to receive the reports and verify if reports are received.

Test Data

User Account #1:

Username: John Smith

Password: abc123#\$

Group Membership: System Administrator

Email: Smithjohn123@gmail.com

User Account #2

Username: Jackie Chan

Group Membership: Processing Clerk

Email: Jackie07Chan@gmail.com

Email Password: abc123\$#

User Account #3

Username: Bruce lee

Group Membership: Officers in Charge

	Email: Brucelee101@gmail.com
	Email Password: abc123\$#
Expected Results	Email is delivered to the authorized email address
	Reports are generated at 12:01 based on the expected criteria
Post Conditions	A notification email is sent to System Administrator, that the
	unauthorized user, Jackie Chan is not authorized to receive reports,
	and check the configuration.

Test Case Two

Functional Requirement: The system must be able to notify users when information is inputted in the wrong field

Test case ID	TC_GPF_ECC_2
Test Priority	Medium
(Low/Medium/High):	
Test Title/Name:	Notify applicants of wrong field inputs
Test Summary/Description	The user input fields are designed to store the assigned data types
	within the specified fields. It is designed to accept valid email
	accounts that are inputted with the correct format. For example, an
	email labeled 592logistics@gmail.com would be a valid entry when
	inputted in the correct field, because it is formatted as
	"username@domainname.extension".
Pre-conditions	1. The applicant must have the relevant documentation to apply
	for the Certificate of Character
	2. The applicant should have an email account
	3. Applicants must be on the application page
	4. The applicant should have initiated the application process

Dependencies	1. The applicant must use a browser to access the GPF-ECC
	website
	2. The application server must be in operation
Test Steps	1. Launch website
	2. Click and add your first name in the field labeled first name
	3. Click and add your last name in the field labeled last name
	4. Click and add email in the field labeled email
	5. Click and add Phone number in field labeled phone number
	6. Click and add occupation in the field labeled occupation
	7. Select National Id Type
	8. Click and add National Id Number
	9. Select the purpose for the certificate from the drop-down list
	10. Select gender from the drop-down list
	11. Select Date of Birth from the calendar
	12. Save the application
	13. Submit the application
Test Data	First Name = "Jim"
	Last Name = "Jones"
	email= "abc.email.com"
	Phone number = "6661111"
	Occupation= "Teacher"
	National Id type = "National Id card"

	National Id = "123456789" Purpose = "Travel" Gender = "Male" Date of Birth = "12/01/1990"
Expected Results	The Fields with incorrect data will be highlighted in red so that the applicant could easily identify them. Error messages "The email entered is not valid, enter an email using the format example@gmail.com " along with "Data input was unsuccessful and the application will not be submitted" will be displayed.
Post Conditions	The user will be expected to rectify any errors spotted within a field, until the system is error-free to submit the application.

Group Participation Report

Division of Labour:

Kelvin Daly created the first test case, Khushal Lam, and David Constantine. The second test case was created by Ronaicia Stephens, Tyrese DeLeon, Oumotia Morris, and Shauna Lindo. Group Collaboration was facilitated with the use of Google Docs, WhatsApp, and Zoom. The main strength of the online environment is that it allows members to collaborate while editing a live document. It allowed us to complete our tasks promptly. The only weakness was that some members did not fully understand the test case table. To combat the weakness previously outlined online resources such as articles and YouTube videos were shared within the WhatsApp group.

