SEPTEMBER 15, 2023

ACTIVITY DIAGRAM
GROUP-1

There are four different sprints in our project –

a) *Student Registration:*

Initially the user (Student, Admin) must register on the website to be able access the provided facilities. He/she can register through Email ID, once entered, they will receive a confirmation OTP for Email Authentication, if they don't receive the OTP, they can click on resend OTP otherwise fill in the OTP, the system will check whether the OTP is correct or not.

Now the Student will enter and confirm the password that satisfies system's constraints (such as minimum 8 characters, at least one special character etc.). In case the user is already registered the user will be prompted to type in his/her registered email and password and then proceed to next step of form filling.

In this step User is expected to fill a form which contains personal details, educational details, etc. After filling the form, the form will be displayed so he/she can again check for any mistake in details provided. User will be asked whether he/she wants to print the form for future use.

Next the User will be asked to pay the Application fees, Once the fees is paid, he/she can login and visit the profile page.

b) *Student Profile:*

When the Student has successfully registered, logged in and paid application fees, he/she is able to access various functionalities such as Change Password, View Results (for the tests he/she may have given), download fee receipt, view applicant status, download hall ticket.

c) *Admin Interface:*

Once, the admin has successfully logged in, he/she will be able to change the login password if required. The admin will be able to verify student's profile. Hall ticket will be generated for the verified student profiles. For the students with incorrect information, a notification would be sent to update the

information and resubmit. The admin can add, modify questions of the test as well as update or declare the answer key of the test. Once the final answer key is declared the admin can declare results of the students. The admin also has the facility to send notifications to news bulletin and students (individual or all).
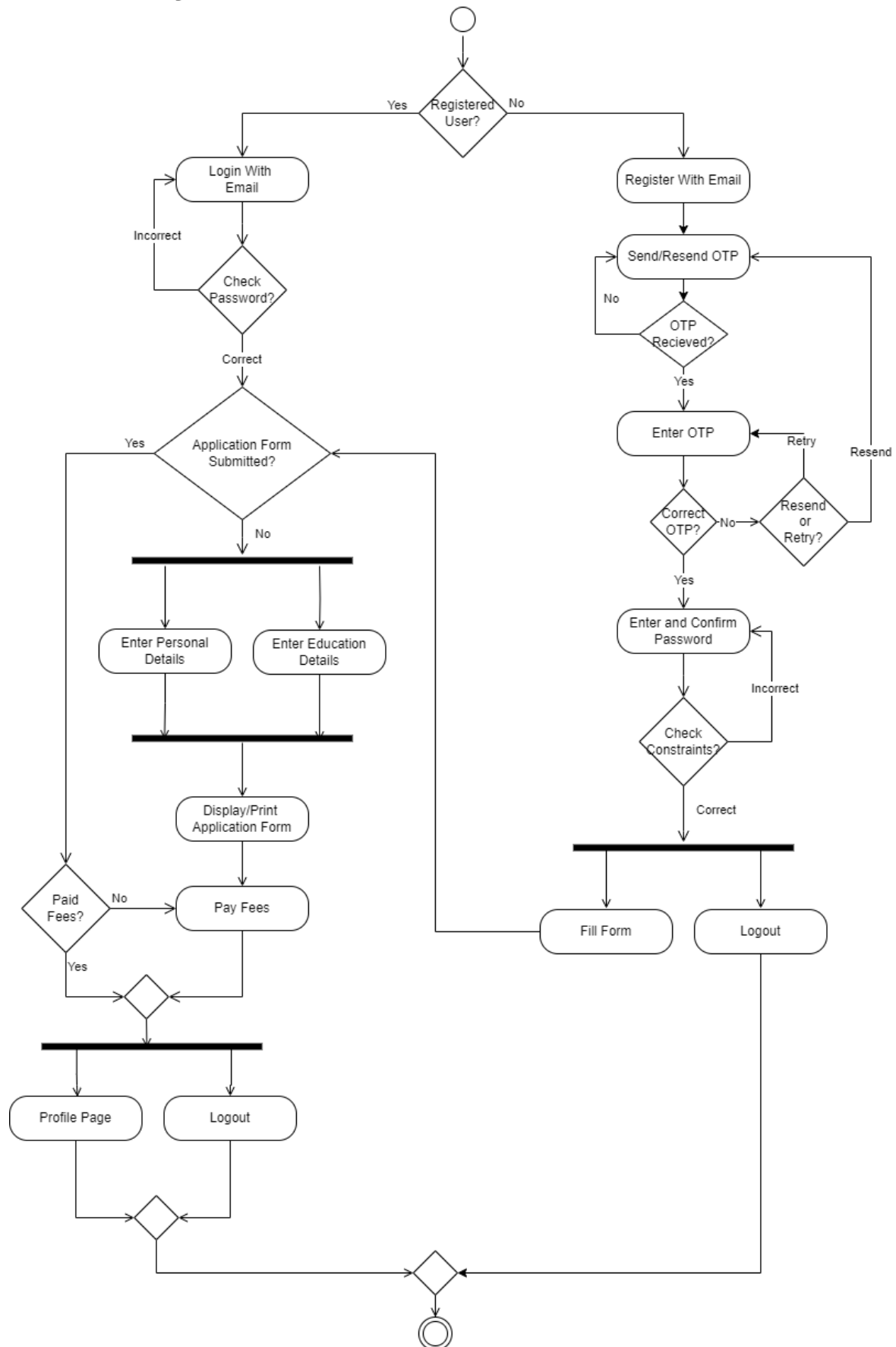
d) Test Interface:

Student enters test credentials and test instructions appears. After carefully reading the instructions, student can click on accept (the declaration to not to make use of any unfair means during the test) and continue. And finally, to he/she can start the test.
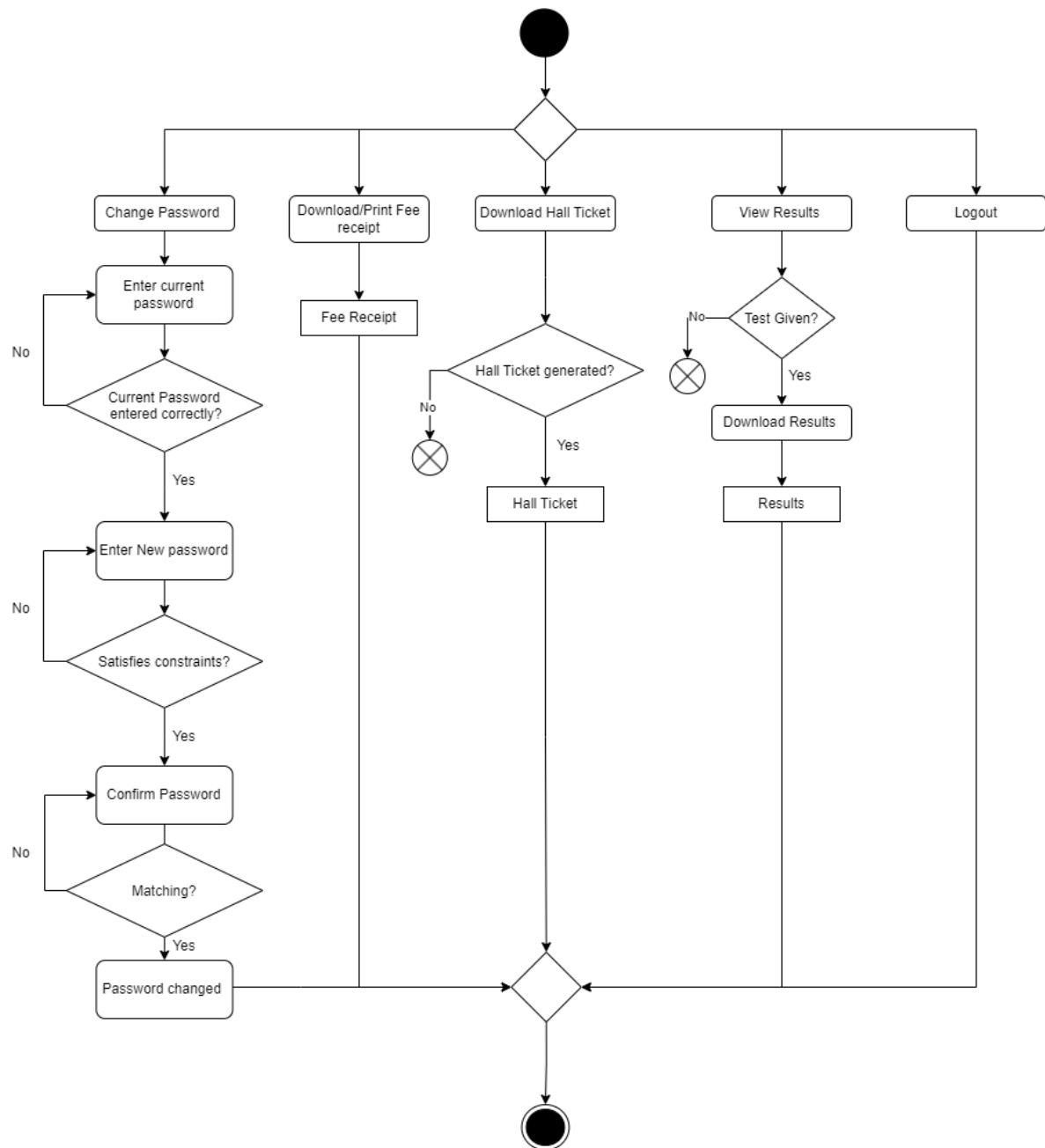
During the test, following functionalities will be available to the student:

i) Navigation Panel: The navigation panel allows students to go through questions.

ii) View Instructions: If required, during test also the student can view instructions using this.

iii) Timer for test: Each test will be time-limited and once this time limit gets over the test will be submitted automatically.
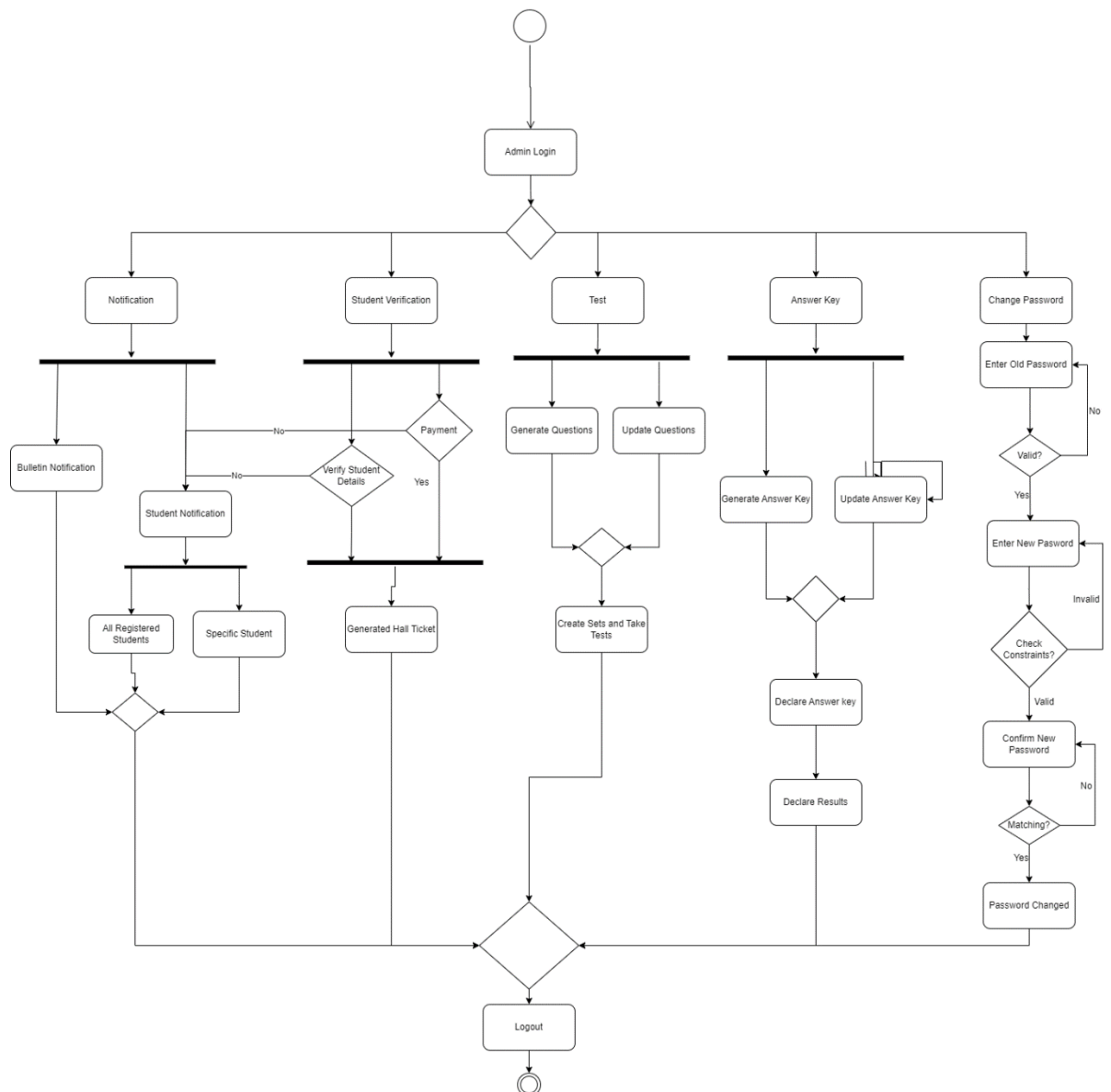
Student Registration:

Student Interface:

Admin Interface:

Admin Login

Notification | Student Verification | Test | Answer Key | Change Password

Notification
- Bulletin Notification
- Student Notification
- All Registered Students
- Specific Student

Student Verification
- Verify Student Details
- Payment — Yes / No
- Generated Hall Ticket

Test
- Generate Questions
- Update Questions
- Create Sets and Take Tests

Answer Key
- Generate Answer Key
- Update Answer Key
- Declare Answer key
- Declare Results

Change Password
- Enter Old Password
- Valid? — No / Yes
- Enter New Pasword
- Check Constraints? — Invalid / Valid
- Confirm New Password
- Matching? — No / Yes
- Password Changed

Logout

Test Interface: