North East University Bangladesh
Department of Computer Science and Engineering
Summer 2022

Course Code: CSE 300	Course Title: Project Work 2

1) Basic Information:

	Student ID	**Student Name**
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Project Title	Doctor Appointment System	

2) User Roles:

User Types	**Description**
Unregister User	We refer to people who are not logged in as unregistered users. They can view the profiles of the doctors and other sections. But they cannot book appointment.
Patient	They can create their profile and visit the profiles of the doctors and other sections. They can book appointment also.
Doctor	Doctor can create their profile. They can update their bio data.
Admin	The administrator will accept any attempts by non-registered users to create profiles or log in to the website. The administrator will control all of our website's activities and features.

3) User Story Planning:

Task Number	User Stories	Responsible	Deadlines
KMS-1	Unregistered users are able to access the main page and the doctor's profile. The user can visit the FAQ area and view top-rated doctors. Unregister user can take consultant service from the admin.	All	22/11/22
S-1	Unregistered user can register in our website. After successfully registration, the registered user can login.	Shahriar	25/10/22
M-1	Registered user can update the profile. That user can book an appointment of a doctor. The registered user can consult with the doctor and added to that, admin. The patient and doctor can create their profile. After successfully registration, they will be able to login in	Mutalib	18/10/22

	the website. And they can update their profile information.		
K-1	Any non-registered users and doctors may be approved by the admin. The website's administrator has full access and can change any user information. Admin can delete any user or doctor's profile.	Kopil	25/10/22
K-2	In patient profile section patient can give some health data (BP, heartbeat, diabetic's level). After analyzing these data, the patient will be notified about his health condition. *	Kopil	01/11/22
M-2	There will be several categories of the doctor. The patient can view department wise doctor list.	Mutalib	25/10/22
K-3	By using the doctor service, the patient can give rating to the doctor. It will help to the patient for searching top rated doctor.	Kopil	08/11/22
S-2	While fileting the doctor's, the patient can find nearby doctors by comparing the patient location.	Shahriar	25/10/22
M-3	In the doctor's profile, there will be show a number that has been booked by the patient including patient list and by clicking patient ID doctor can visit that patient profile.	Mutalib	08/11/22
S-3	There will be a landing page where patient can see top rated doctor's time schedule.	Shahriar	01/11/22
S-4	The patient will get a notification after booking the appointment. The notification can be sent through the mail.	Shahriar	08/11/22
K-4	The patient can communicate with a doctor or a service agent as a consultant service.	Kopil	15/11/22
S-5	There will be a section/button for emergency case. Here the patient can take appointment immediately from the available emergency doctor.	Shahriar	15/11/22
M-4	The patient can provide review according to the doctor service.	Mutalib	15/11/22
S-6	When users not well known to the system of our site. These, user can easily take appointment by submitting an appointment form.	Shahriar	22/11/22
M-5	In the FAQ section, the user can get his desired question answered.	Mutalib	22/11/22
K-5	After taking the appointment, the patient will pay the appointment cost as a e-banking.	Kopil	22/11/22

4) The Product Backlog:

Story Number	User Story	Acceptance Tests
	Unregistered users are able to access the main page and the doctor's profile. The user can visit the FAQ area and view top-rated doctors. Unregister user can take consultant service from the admin.	
S-1	Unregistered user can register in our website. After successfully registration, the registered user can login.	1. Leave an input field blank (fail). 2. Using banned email or existing email. (fail) 3. Using an already used Username (fail). 4. SQL injection (fail). 5. Photograph size is huge (fail). 6. Correct username, password during login(pass) 7. Incorrect username only, incorrect password only, incorrect both at login (fail)
M-1	Registered user can update the profile. That user can book an appointment of a doctor. The registered user can consult with the doctor and added to that, admin. The patient and doctor can create their profile. After successfully registration, they will be able to login in the website. And they can update their profile information.	Large size photo (fail)
K-1	Any non-registered users and doctors may be approved by the admin. The website's administrator has full access and can change any user information. Admin can delete any user or doctor's profile.	Every user needs to approval from admin after creating the profile. Without approval user can't take appointment from the doctor.
K-2	In patient profile section patient can give some health data (BP, heartbeat, diabetic's level). After analyzing these data the patient will notified about his health condition.*	Leave an input field blank(fail).
M-2	There will be several categories of the doctor. The patient can view department wise doctor list.	1. Unregister user can view doctor category (pass) 2. Register user can view doctor category (pass)
K-3	By using the doctor service, the patient can give rating to the doctor. It will help to the patient for searching top	1. Unregister can give rating (fail) 2. Register user (patient) who has taken appointment can give rating (pass)

	rated doctor.	
S-2	While fileting the doctor's, the patient can find nearby doctors by comparing the patient location.	A nearby button is available on our website. When a patient clicks the button, nearby doctors are displayed. It will work if the patient's location is correctly submitted; otherwise, it will not (fail to check nearby doctor).
M-3	In the doctor's profile, there will be show a number that has been booked by the patient including patient list and by clicking patient ID doctor can visit that patient profile.	
S-3	There will be a landing page where patient can see top rated doctor's time schedule.	
S-4	The patient will get a notification after booking the appointment. The notification can be sent through the mail.	
K-4	The patient can communicate with a doctor or a service agent as a consultant service.	
S-5	There will be a section/button for emergency case. Here the patient can take appointment immediately from the available emergency doctor.	1. Blank health issue (fail) 2. Not selecting a doctor (fail)
M-4	The patient can provide review according to the doctor service.	
S-6	When users not well known to the system of our site. These, user can easily take appointment by submitting an appointment form.	1. SQL injection (fail) 2. Blank inputs such as name, age, health issue (fail) 3. Not selecting a doctor (fail)
M-5	In the FAQ section, the user can get his desired question answered.	
K-5	After taking the appointment, the patient will pay the appointment cost as a e-banking.	1. Blank transaction-ID for payment request (fail) 2. Blank bKash number for payment request (fail) 3. SQL injection (fail). 4. Blank Appointment Code (fail). 5. SQL injection. (fail)