

Distributed Programming and Networking – 2018/2019

Project proposal: Online Skin Lesion Diagnosis

Authors: Patricia Cabanillas, Tewodros W. , Abdullah Thabit

(patricia.cabanillas.silva@hotmail.com, tewodros.weldebirhan@mu.edu.et,

abdullah.thabitt@gmail.com)

Outline

- Abstract
- Mockup
- Client side
- Server side
- Gantt Diagram

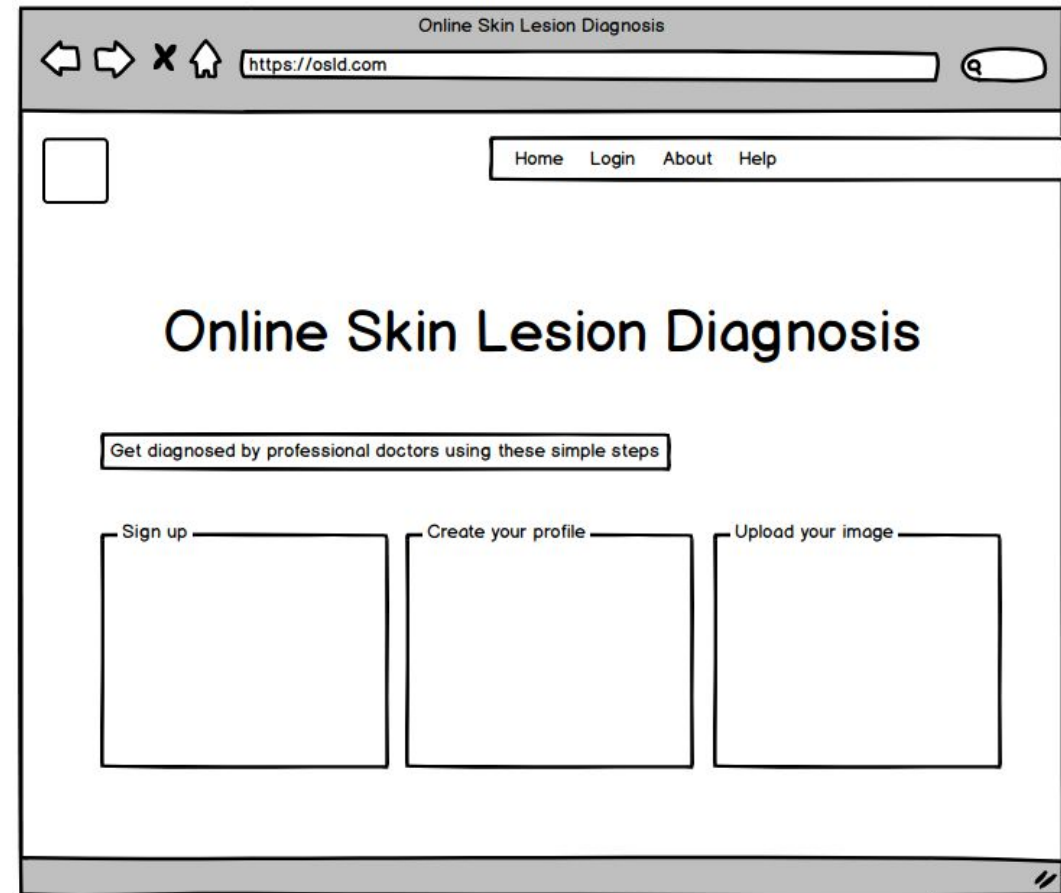
Abstract

Online skin lesion diagnosis is a web based client-server application. It has two clients: patient and doctor and NodeJS server. The system has login and signup page for the clients. The patient uploads the image of his/her skin. The doctor then looks at the image and sends back the result to the patient. The patient can reply and ask the doctor. It is basically a patient and doctor communication. The technologies used for client side are: HTML, CSS, JavaScript and EJS template engine. For server side: Node.JS and MySQL.

Mockup

Home page

- Menu tab
- Logo
- Title and information



Mockup

Login page

- Email Address
- Password
- Option to reset password
- Link to Sign up page

The mockup shows a web browser window with the title 'Online Skin Lesion Diagnosis' and the URL 'https://osld.com'. The main content area contains a 'Log in' form. The form has two input fields: 'Email address' and 'Password'. Below the 'Email address' field is a link that says 'I forgot my password'. To the right of the 'Password' field is a 'Login' button. At the bottom of the form, there is a text prompt: 'You don't have an account, [sign up here](#)'.

Mockup

Sign up page

- Email Address
- Password
- Confirm password

The mockup shows a web browser window with the title 'Online Skin Lesion Diagnosis'. The address bar contains 'https://osld.com'. The main content area features a 'Sign up' form with three input fields: 'Email address', 'Password', and 'Confirm your password'. A 'Sign up' button is located below the input fields. The browser window has a standard navigation bar with back, forward, and home buttons, and a search bar.

Online Skin Lesion Diagnosis

https://osld.com

Sign up

Email address

Password

Confirm your password

Sign up

Mockup

Patient page

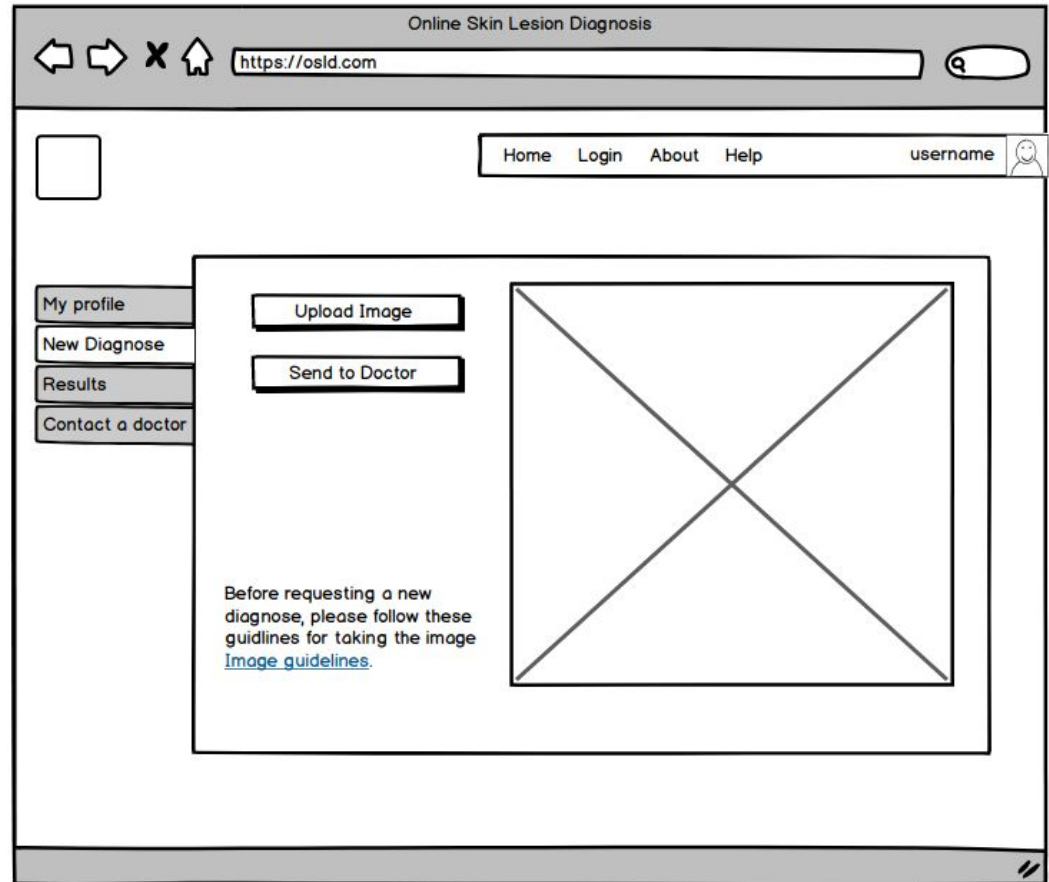
- Upload personal picture
- Fill in personal information

The mockup shows a web browser window titled "Online Skin Lesion Diagnosis" with the URL "https://osld.com". The page has a navigation bar with links for "Home", "Login", "About", and "Help", and a user profile section labeled "username" with a person icon. A sidebar on the left contains a placeholder for a profile picture and a menu with options: "My profile", "New Diagnose", "Results", and "Contact a doctor". The main content area features a profile card with a placeholder for a personal picture, a "Gender" dropdown menu, a date field with slashes, a calendar icon, and a "Patient History" text area. To the right of the profile card are four input fields for "First Name", "Last Name", "Nationality", and "Phone Number".

Mockup

Patient page

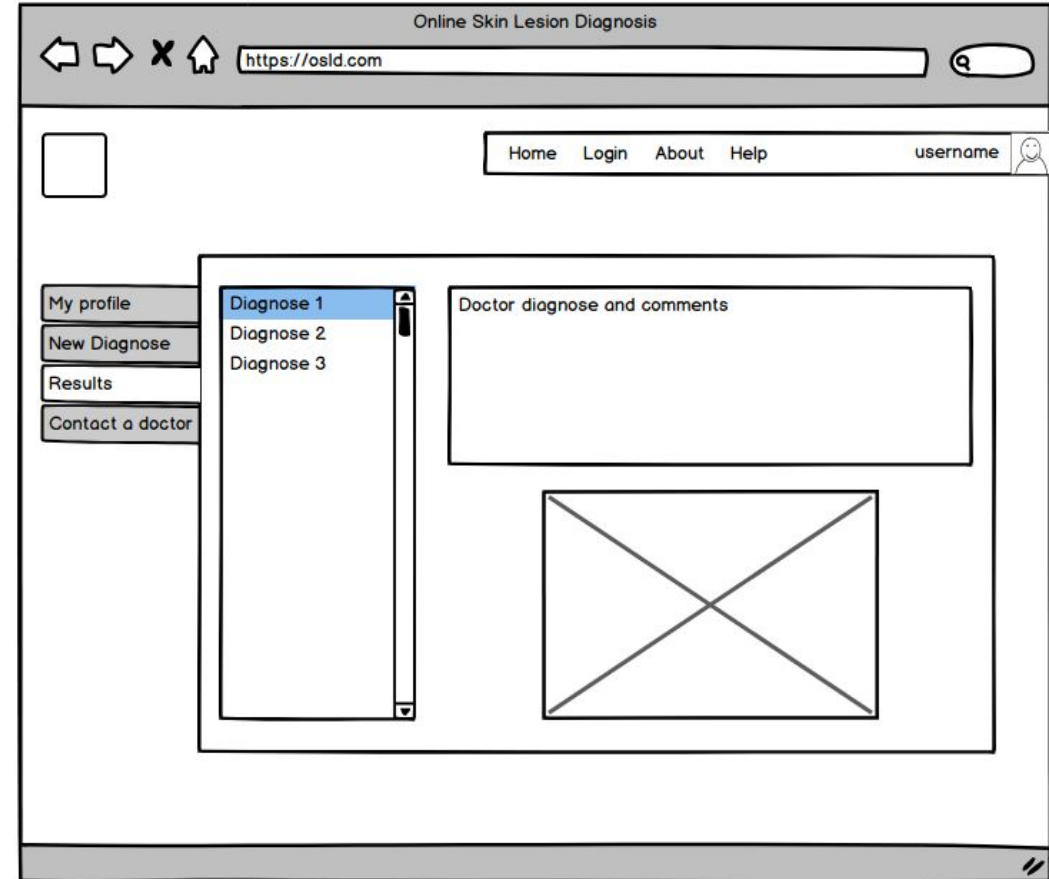
- Upload a picture for diagnosis
- Send to doctor



Mockup

Patient page

- Check results history



Mockup

Patient page

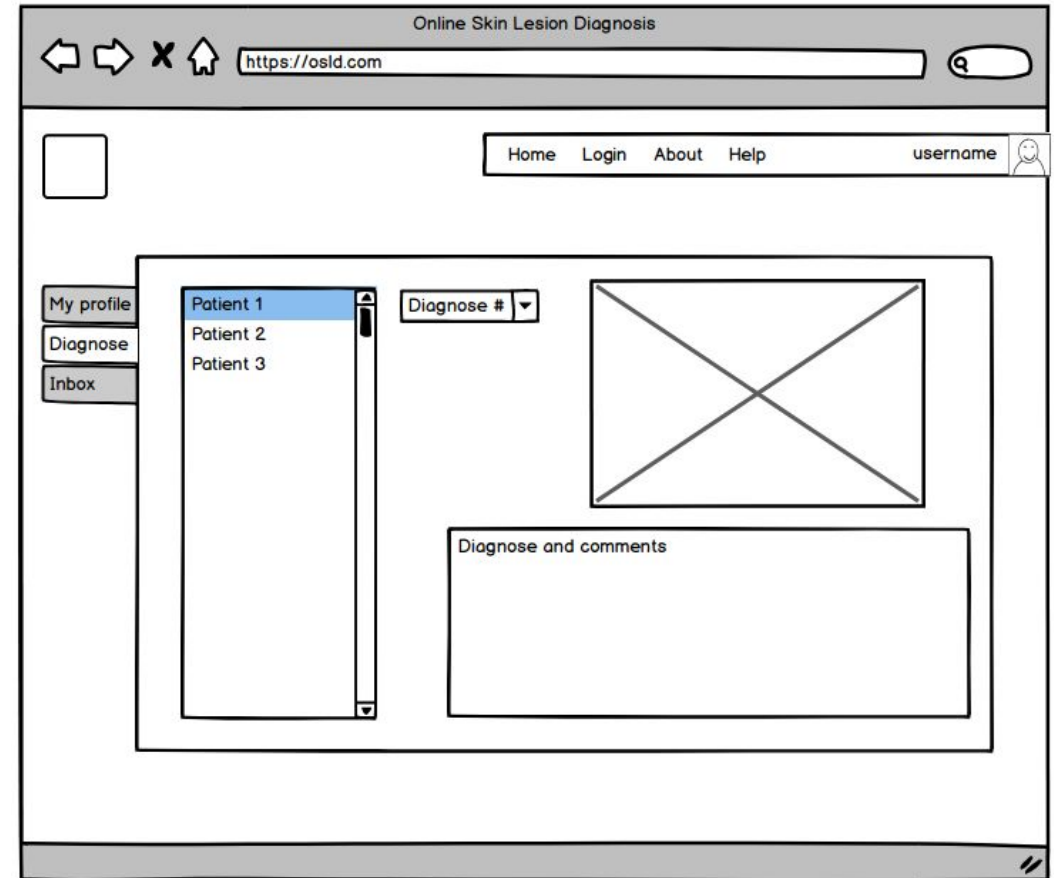
- Send a message to the doctor

The mockup shows a web browser window titled "Online Skin Lesion Diagnosis" with the URL "https://osld.com". The browser's address bar contains the URL and a search icon. The page has a navigation bar with links for "Home", "Login", "About", and "Help", and a user profile section labeled "username" with a user icon. A sidebar on the left contains a placeholder box and a menu with options: "My profile", "New Diagnose", "Results", and "Contact a doctor". The main content area displays a message: "Your doctor will get back to you as soon as possible". Below this message is a large text input field with the placeholder text "send a message". At the bottom of the input field is a "Send" button.

Mockup

Doctor page

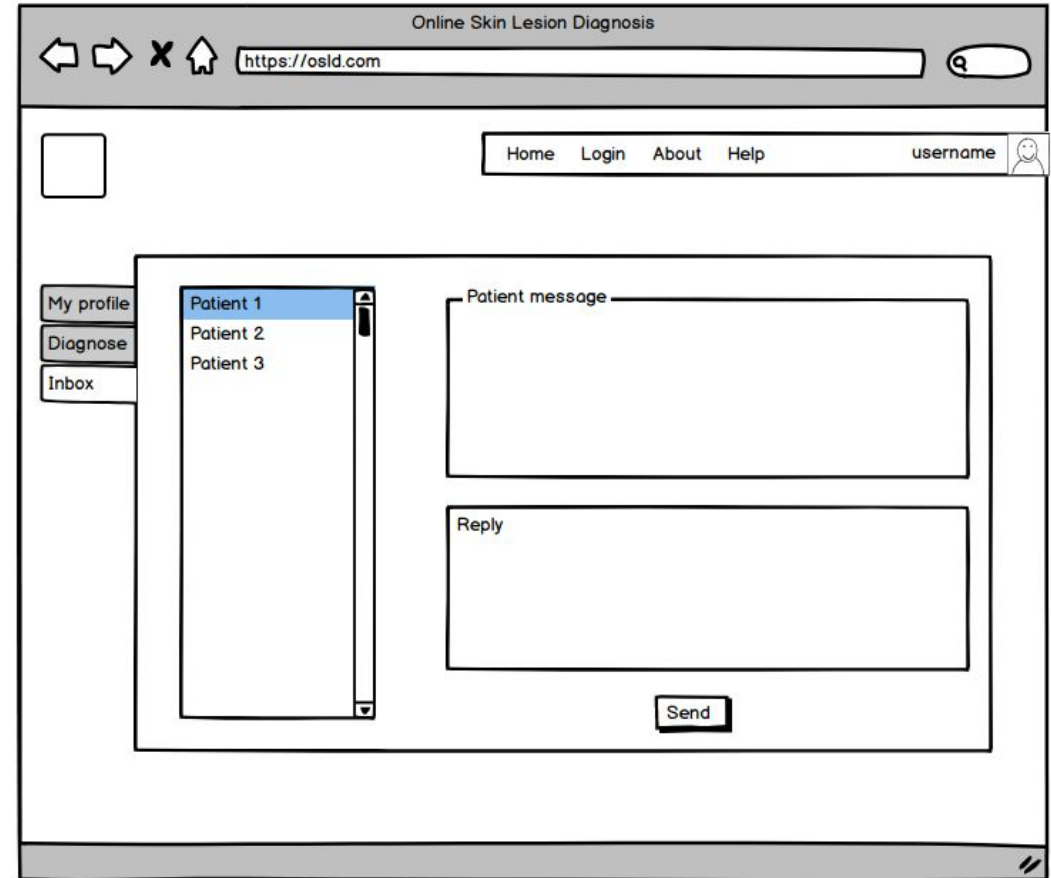
- Check patients requests and diagnose



Mockup

Doctor page

- Reply to patients messages



Client side

Languages, environment and technologies

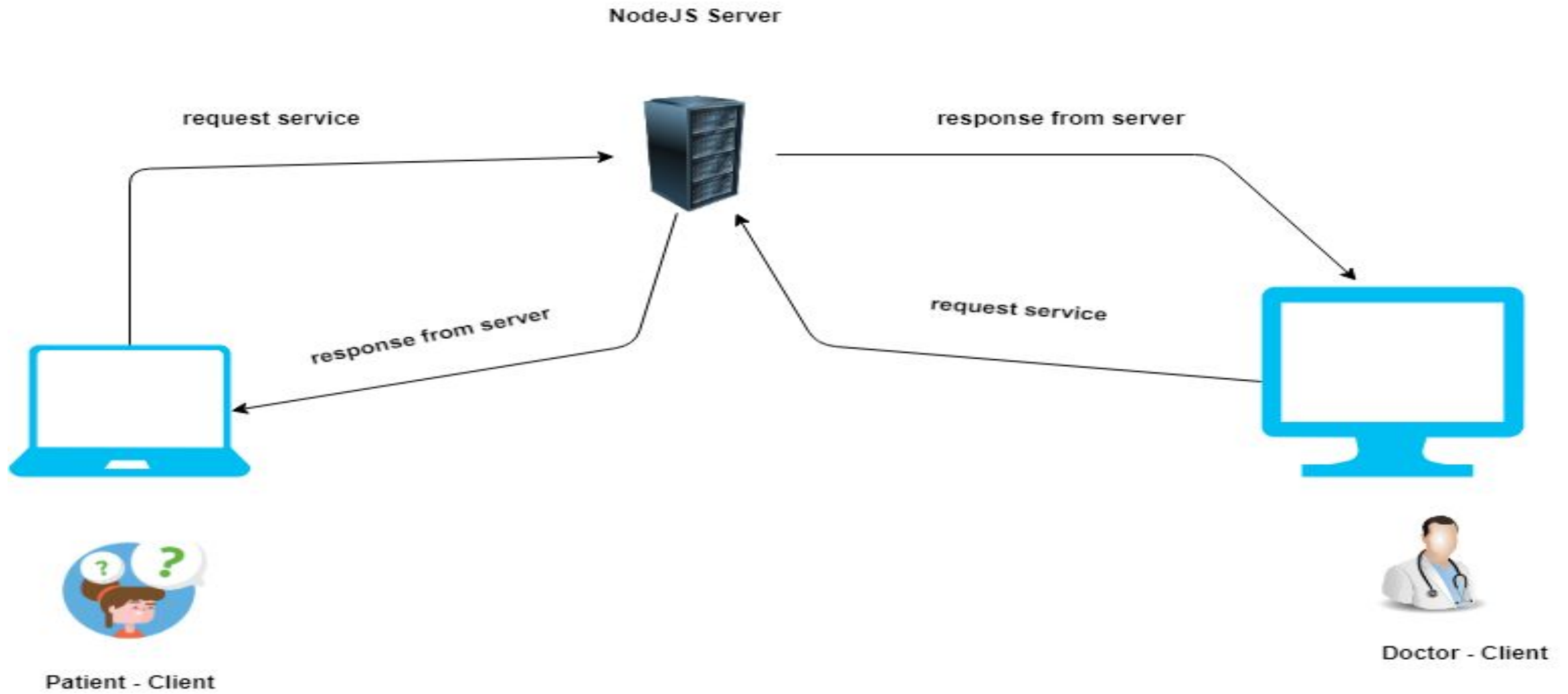
- HTML
- CSS
- JavaScript, JQUERY
- EJS template engine.

Server side

Languages, environment and technologies

- Node.js
- ExpressJS
- MySQL

Client Server Paradigm



Timetable

Online_Skin_Detection							Apr 2019				May 2019				Jun 2019			Jul 2019			Aug 2019						
							01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	
0	Deciding the project title, programming language		Unassigned	-	01/Apr	19/Apr	100%	Deciding the project title, programming language																			
1	Designing the System		Unassigned	-	15/Apr	03/May	0%	Designing the System																			
2	Frontend Implementation		Unassigned	-	29/Apr	17/May	0%	Frontend Implementation																			
3	Backend Implementation		Unassigned	-	13/May	24/May	0%	Backend Implementation																			
4	Testing the System		Unassigned	-	27/May	31/May	0%	Testing the System																			
5	Documentation and Presentation		Unassigned	-	03/Jun	07/Jun	0%	Documentation and Presentation																			

Thank you

FOR YOUR ATTENTION