

Gov.lk Services Portal: Frontend Prototype

Interactive Hackathon Demonstration

August 16, 2025

By Team DataSquad

Contents

1	Introduction	3
2	Problem Statement	3
3	Key Features	3
4	Homepage Mockup	4
5	Advantages	4
5.1	For Citizens.....	4
5.2	For Government Agencies	4
6	Technology Stack	4
7	Limitations	5
8	Assumptions	5
9	Future Improvements (Roadmap)	5
9.1	Phase 1: Backend & Live Integration	5
9.2	Phase 2: User Experience & Feature Expansion	5
9.3	Phase 3: Intelligence & Administration.....	5
10	Web Page Screenshots with code snippets	6

1 Introduction

This prototype is a proof-of-concept for a centralized digital platform where citizens can access government services efficiently. Built with HTML, CSS, and Vanilla JavaScript, it simulates a complete user journey including searching departments, booking appointments, and interacting with a personal dashboard.

2 Problem Statement

Accessing government services in Sri Lanka is often fragmented, leading to:

- ✓**Decentralized Information:** Scattered across multiple department websites.
- ✓**Long Wait Times:** Physical queues cause delays and inefficiency.
- ✓**Lack of Transparency:** Limited visibility on application status.
- ✓**Bureaucratic Hurdles:** Multiple forms and visits required for a single service.
- ✓**Inaccessibility:** Rural citizens face difficulty accessing offices.

3 Key Features

Core Booking Engine

- ✓**Unified Service Directory:** Searchable, filterable centralized directory.
- ✓**Multi-Step Booking:** Service selection, information & requirements, location, date/time scheduling.
- ✓**Adaptable Flows:** Handles different service types and simplified online payments.
- ✓**Confirmation & Calendar:** Unique reference number with calendar download option.

Citizen Dashboard

- ✓**My Appointments:** Track upcoming and past appointments.
- ✓**Appointment Control:** Reschedule or cancel appointments.
- ✓**Personalized Dashboard:** Alerts and conceptual Document Vault.

Engagement & UX

- ✓**Integrated feedback system** (1-5 star rating + comments)
- ✓**Notification center** with alerts and reminders
- ✓**Multilingual support:** English, Sinhala, Tamil
- ✓**Dark Mode and responsive design**

4 Homepage Mockup

Hero Section

Welcome to Gov.lk Services Portal

Streamlined access to all government services from one centralized platform.

Quick Access Tiles

- ✓Department Tiles for popular services
- ✓Search bar for fast service discovery
- ✓Notifications and reminders
- ✓Dark Mode toggle
- ✓Multilingual support (English, Sinhala, Tamil)

5 Advantages

5.1 For Citizens

- ✓Save time and costs by reducing physical visits.
- ✓24/7 access for rural and elderly citizens.
- ✓Clear upfront information on documents and fees.

5.2 For Government Agencies

- ✓Reduce administrative burden with automated scheduling.
- ✓Better crowd management in offices.
- ✓Collect feedback for data-driven governance.

6 Technology Stack

- ✓**HTML5**: Semantic structure.
- ✓**CSS3**: Styling, layout, responsiveness, Dark Mode.
- ✓**Vanilla JavaScript**: Logic, interactivity, mock data storage with localStorage.

7 Limitations

Current Prototype Limitations

1. ✗ Static and mock data, no real-time API integration.
2. ✗ No backend; state handled via localStorage.
3. ✗ Simplified, insecure authentication.
4. ✗ No payment gateway integration.
5. ✗ No administrative backend for officials.

8 Assumptions

- ✓ APIs from departments will provide secure and standardized data.
- ✓ Citizens have basic internet access and digital literacy.
- ✓ National digital identity system can be integrated later for verification.

9 Future Improvements (Roadmap)

9.1 Phase 1: Backend & Live Integration

- ✓ Robust backend and database.
- ✓ Real-time API integration.
- ✓ Secure authentication and payment gateway.

9.2 Phase 2: User Experience & Feature Expansion

- ✓ Native Android/iOS applications.
- ✓ Real-time notifications.
- ✓ Secure Document Vault.
- ✓ Onboard additional government departments.

9.3 Phase 3: Intelligence & Administration

- ✓ Administrative dashboard for staff.
- ✓ Analytics engine for insights.
- ✓ Multilingual AI-powered chatbot.

10 Web Page screenshots with code snippets

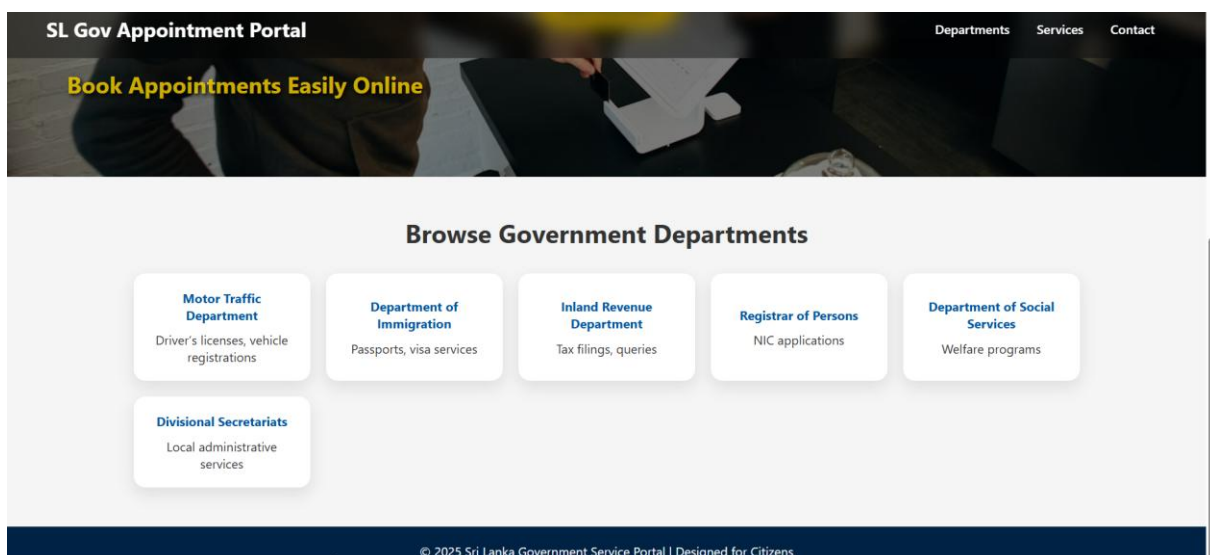
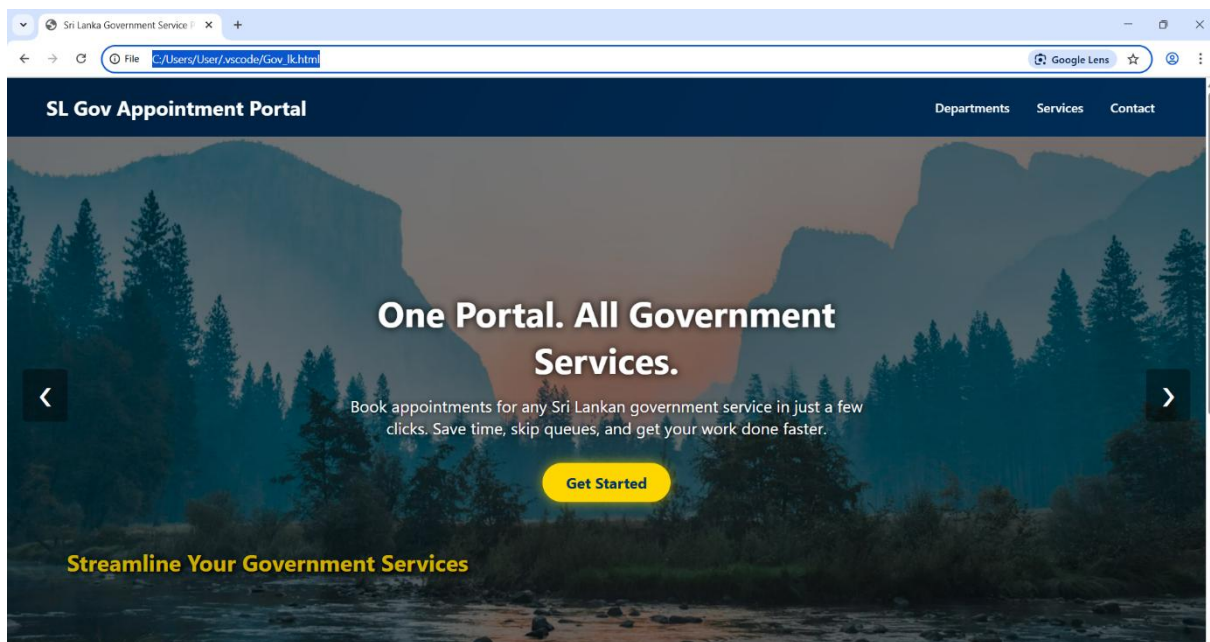
Code Snippets

```
Gov.lk.html > html > body > section.hero > div.slide-show-container > div.slide
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <meta name="viewport" content="width=device-width, initial-scale=1" />
6 <title>Sri Lanka Government Service Portal</title>
7 <style>
8 /* ===== RESET ===== */
9 * {
10
11     Shorthand property for setting most background properties at the same place in the style sheet.
12     Widely available across major browsers (Baseline since 2015)
13     Syntax: [ <bg-layer> , ]* <final-bg-layer>
14 }
15 MDN Reference
16 background: linear-gradient(120deg, #003366, #0055a5);
17 color: white;
18 overflow-x: hidden;
19 }
20 html {
21     scroll-behavior: smooth;
22 }
23
24 /* ===== HEADER ===== */
25 header {
26     padding: 20px 50px;
27     display: flex;
28     justify-content: space-between;
29     align-items: center;
30     background: rgba(0, 0, 0, 0.4);
31     backdrop-filter: blur(10px);
32     position: sticky;
33     top: 0;
34     z-index: 1000;
35 }
36 header h1 {
37     font-size: 1.6rem;
```

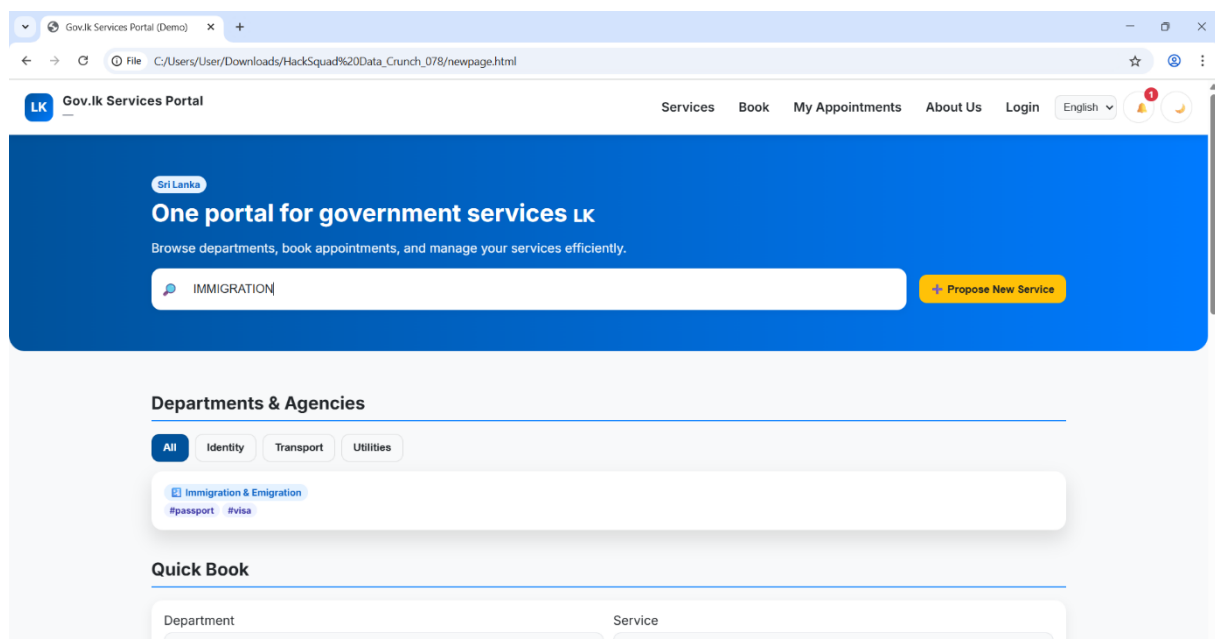
```
elcome Gov.lk.html newpage.html X
Users > User > Downloads > HackSquad Data_Crunch_078 > newpage.html > html > body > script > DISTRICTS
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Gov.lk Services Portal (Demo)</title>
<link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
<style>
:root {
  --brand: #00529B; --brand-2: #007BFF; --accent: #FFC107; --accent-text: #212529;
  --bg: #F8F9FA; --text: #212529; --card: #FFFFFF; --muted: #6B7280;
  --ok: #28A745; --warn: #FFC107; --danger: #DC3545; --ring: rgba(0, 123, 255, 0.25);
}
*{box-sizing:border-box}
html{scroll-behavior: smooth;}
body{font-family: 'Inter', system-ui, Segoe UI, Roboto, Helvetica, Arial, sans-serif; background: var(--bg); color: var(--text); margin: 0; transition: backgr
body.dark{
  --bg: #121212; --text: #E0E0E0; --card: #1E1E1E; --muted: #9E9E9E;
  --brand: #0277BD; --brand-2: #4FC3F7; --accent: #FFA000;
}
header{position: sticky; top: 0; z-index: 50; background: var(--card); color: var(--text); padding: .9rem 1.25rem; display: flex; gap: 1rem; align-items: center; ju
body.dark header{background: #1e1e1e; border-bottom: 1px solid #333;}
.brand{display: flex; gap: .75rem; align-items: center}
.brand .logo{width: 36px; height: 36px; border-radius: 10px; background: linear-gradient(135deg, var(--brand) 0%, var(--brand-2) 100%); display: grid; place-
nav{display: flex; flex-wrap: wrap; gap: .5rem; align-items: center;}
nav a{color: var(--text); text-decoration: none; font-weight: 600; padding: .4rem .7rem; border-radius: 8px}
nav a: hover{background: var(--bg)}
body.dark nav a{color: var(--text);}
body.dark nav a: hover{background: #333}
.btn{background: var(--brand-2); color: #fff; border: none; border-radius: 10px; padding: .55rem .9rem; font-weight: 600; cursor: pointer; transition: filter
.btn: hover{filter: brightness(.95)}
.btn.secondary{background: var(--accent); color: var(--accent-text);}
.btn.ghost{background: transparent; color: var(--text); border: 1px solid rgba(0, 0, 0, .1)}
body.dark .btn.ghost{color: var(--text); border-color: #555}
.btn.muted{background: #e9ecef; color: #111827}
.btn.warn{background: var(--warn); color: #111827}
.container{max-width: 1200px; margin: 0 auto; padding: 1.25rem}
```

1. Home Page

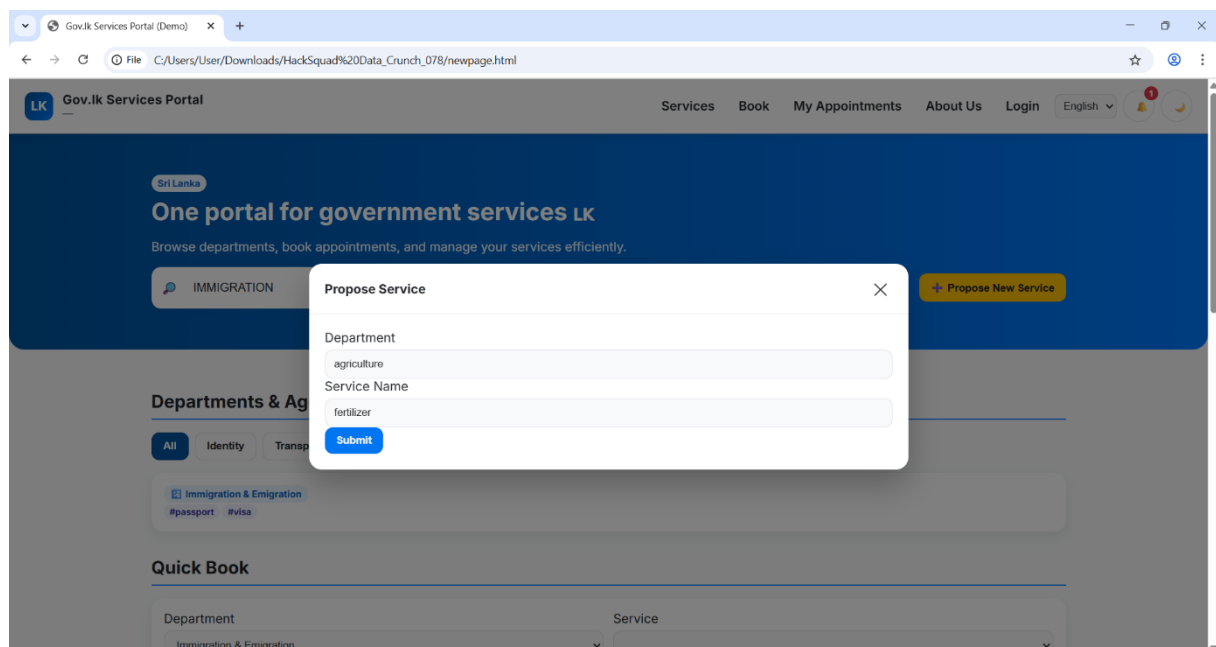
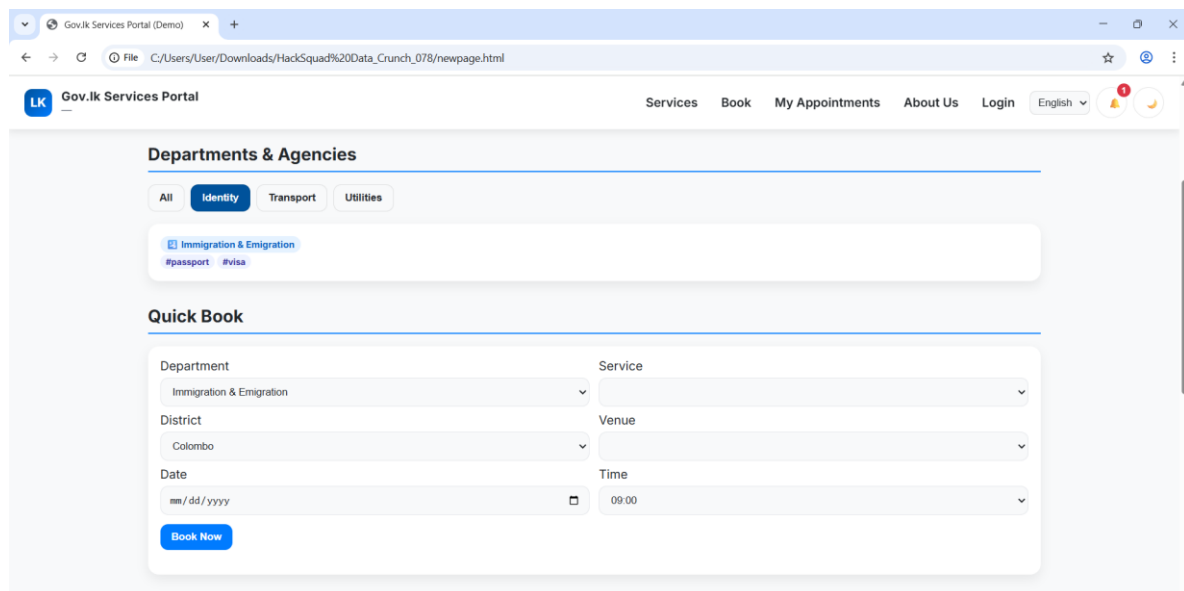
Gov.lk Services Portal Prototype



2. Service Page



Gov.lk Services Portal Prototype



The image displays three sequential screenshots of the Gov.lk Services Portal, illustrating the booking process for Immigration & Emigration services.

Screenshot 1: The user is on the 'Immigration & Emigration' service page. The '1. Service' step is active. The 'Select a Service' dropdown menu is open, showing options: 'New Passport' and 'Passport Renewal'.

Screenshot 2: The user has selected a service. The '2. Details' step is active. The 'Required Documents' section shows three items checked: 'Original Birth Certificate', 'NIC Copy', and '2x Passport Photos (Studio Copy)'. The 'Fee' is LKR 5,000. The 'Select Venue' dropdown menu is open, showing 'Immigration Dept - Suhurupaya, Colombo'.

Screenshot 3: The user has selected a venue. The '3. Date & Time' step is active. The 'Select Date & Time' section shows the date '08/28/2025' and the time '09:00'. A 'Next' button is visible.

Gov.lk Services Portal Prototype

Gov.lk Services Portal (Demo)

C:/Users/User/Downloads/HackSquad%20Data_Crunch_078/newpage.html

Gov.lk Services Portal

ServicesBookMy AppointmentsAbout UsLoginEnglish

Departments & Agencies

AllIdentityTransport

Immigration & Emigration

#passport#visa

Quick Book

Department

Immigration & Emigration

District

Colombo

Date

mm/dd/yyyy

Time

09:00

Book Now

Immigration & Emigration

1. Service2. Details3. Date & Time4. Confirm

Confirm Details

Service: New Passport (Immigration & Emigration)

Venue: Immigration Dept - Suhurupaya

Date & Time: 2025-08-28 at 09:00

Fee: LKR 5,000

Confirm & Book

Gov.lk Services Portal (Demo)

C:/Users/User/Downloads/HackSquad%20Data_Crunch_078/newpage.html

Gov.lk Services Portal

ServicesBookMy AppointmentsAbout UsLoginEnglish

Departments & Agencies

AllIdentityTransportUtilities

Immigration & Emigration

#passport#visa

Quick Book

Department

Immigration & Emigration

District

Colombo

Date

mm/dd/yyyy

Venue

Time

09:00

Book Now

Booking Confirmed!

Your appointment for New Passport on 2025-08-28 at 09:00 has been confirmed.

Your reference number is: LK-2WMMU2

Add to Calendar

Gov.lk Services Portal (Demo)

C:/Users/User/Downloads/HackSquad%20Data_Crunch_078/newpage.html

Gov.lk Services Portal

ServicesBookMy AppointmentsAbout UsLoginEnglish

My Appointments

Ref	Dept	Service	Venue	Date	Time	Actions
LK-2WMMU2	Immigration & Emigration	New Passport	Immigration Dept - Suhurupaya	2025-08-28	09:00	RescheduleCancel

About Us

Our Mission

To provide a centralized, accessible, and efficient platform for all citizens of Sri Lanka to access government services, reducing bureaucratic hurdles and saving valuable time.

Our Vision

A digitally empowered Sri Lanka where every citizen can interact with government services seamlessly, transparently, and effectively from anywhere, at any time.

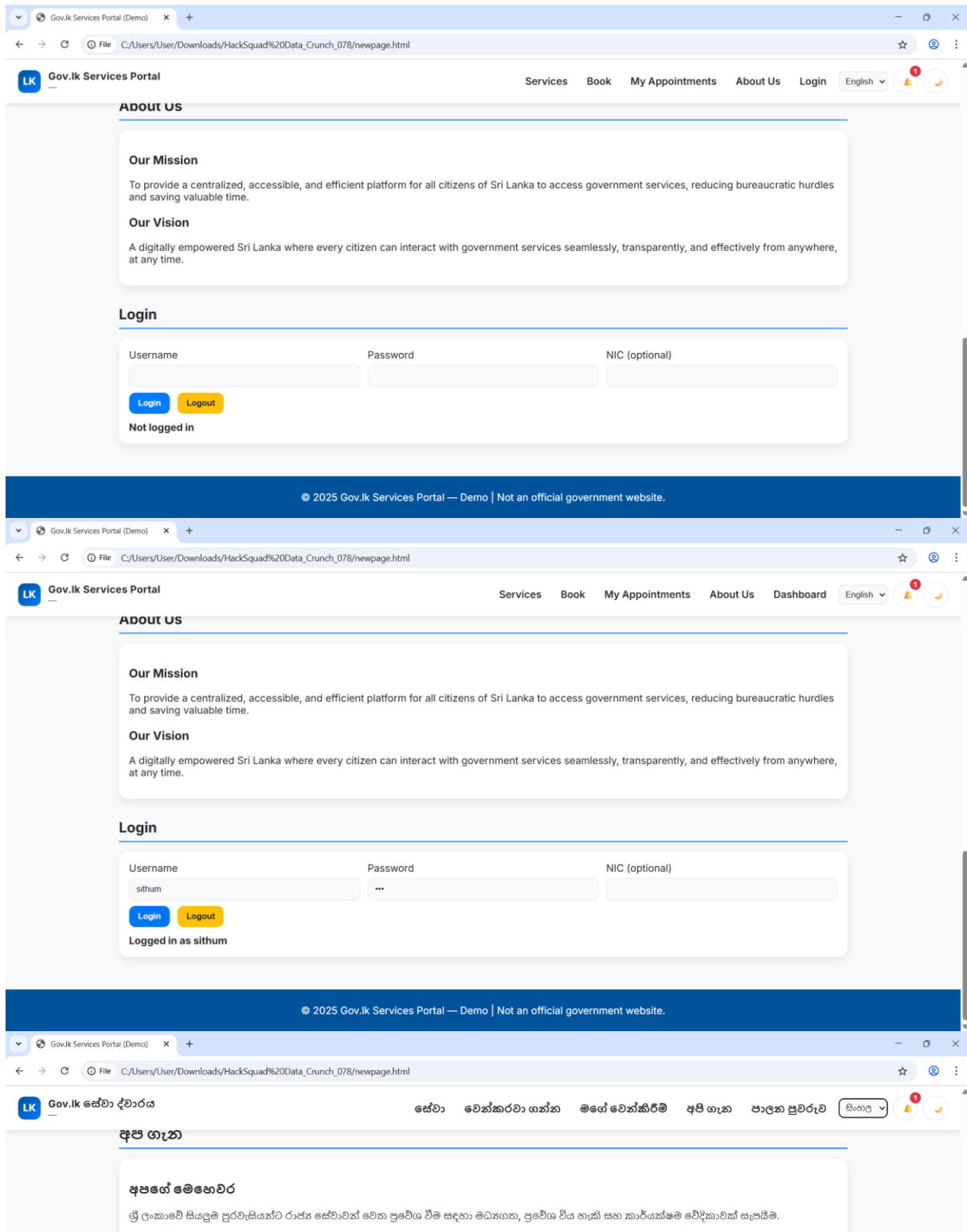
Login

Username

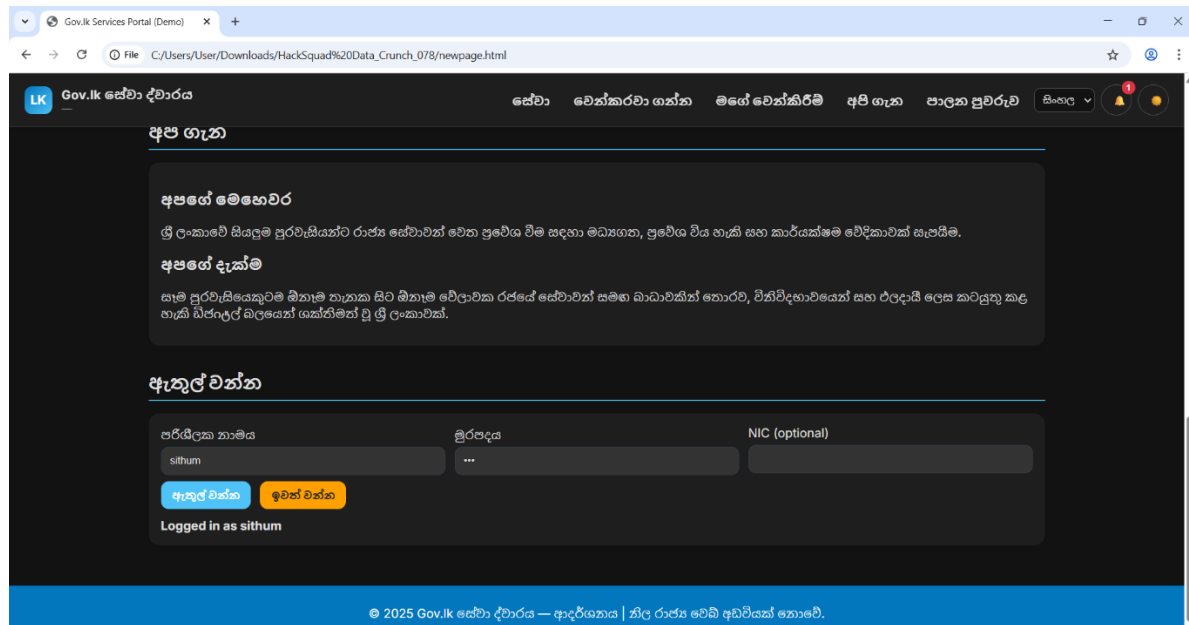
Password

NIC (optional)

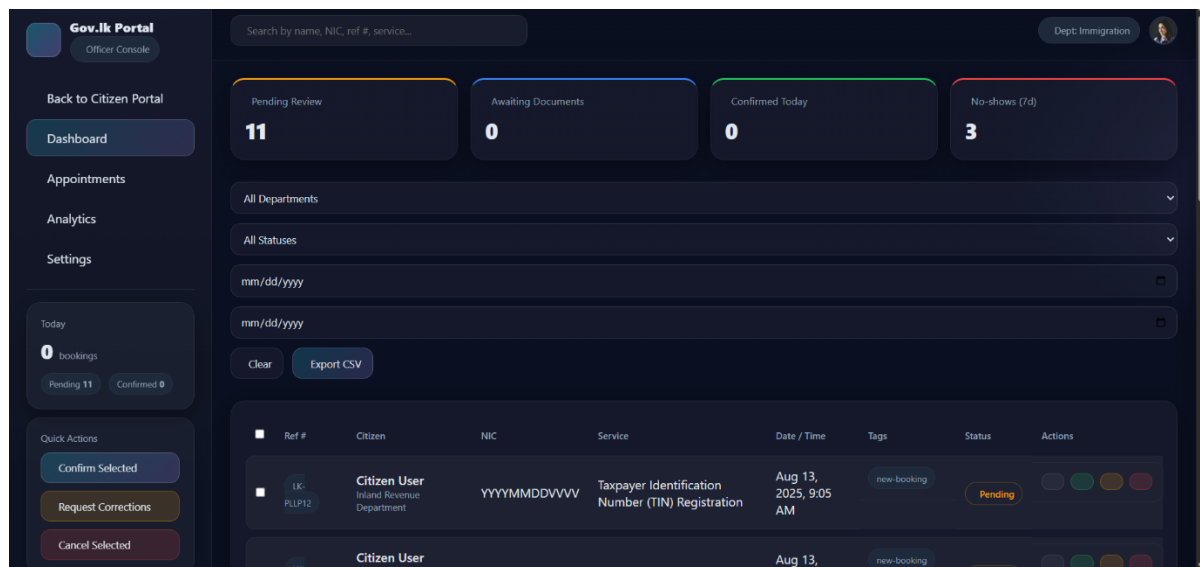
Gov.lk Services Portal Prototype



Gov.lk Services Portal Prototype



3. Officer's Page



Gov.lk Portal

Officer Console

Back to Citizen Portal

Dashboard

Appointments

Analytics

Settings

Today

0 bookings

Pending 11Confirmed 0

Quick Actions

Confirm Selected

Request Corrections

Cancel Selected

Search by name, NIC, ref #, service...

Dept: Immigration

Ref #	Citizen	NIC	Service	Date / Time	Tags	Status	Actions
LK-FLP12	Citizen User Inland Revenue Department	YYYYMMDDVVVV	Taxpayer Identification Number (TIN) Registration	Aug 13, 2025, 9:05 AM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
LK-90DSN	Citizen User Department of Immigration & Emigration	YYYYMMDDVVVV	Passport - New Application	Aug 13, 2025, 9:15 AM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
LK-1FT0WK	Citizen User Inland Revenue Department	YYYYMMDDVVVV	VAT Registration	Aug 13, 2025, 1:22 PM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
LK-J6DWQW	Citizen User Department of Agrarian Development	YYYYMMDDVVVV	Paddy Land & Subsidy Assistance	Aug 13, 2025, 1:22 PM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
LK-ZEHVXH	Citizen User Sri Lanka Railways	YYYYMMDDVVVV	Train Ticket Reservation	Aug 15, 2025, 5:30 AM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
GLK-100241	Dinuka Perera Immigration & Emigration	199712345678	Passport Renewal	Aug 18, 2025, 9:30 AM	first-time drop-ready	Pending	<div></div> <div></div> <div></div> <div></div>

Gov.lk Portal

Officer Console

Back to Citizen Portal

Dashboard

Appointments

Analytics

Settings

Today

0 bookings

Pending 11Confirmed 0

Quick Actions

Confirm Selected

Request Corrections

Cancel Selected

Search by name, NIC, ref #, service...

Dept: Immigration

J51K8	Immigration & Emigration	YYYYMMDDVVVV	New Passport	2025, 11:30 AM		Pending	<div></div> <div></div> <div></div> <div></div>
LK-IBLPMJ	Citizen User Motor Traffic (BMV)	YYYYMMDDVVVV	New Driving License	Aug 29, 2025, 1:30 PM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>
LK-KCBIL7	Citizen User Motor Traffic (BMV)	YYYYMMDDVVVV	New Driving License	Aug 30, 2025, 9:30 AM	new-booking	Pending	<div></div> <div></div> <div></div> <div></div>

New BookingsCompleted

Day	New Bookings	Completed
Sun	13	3
Mon	6	3
Tue	6	6
Wed	13	9
Thu	11	10
Fri	14	3
Sat	9	5

Team Members

- Sithum Yapa
- Senali Bandara
- Malindu Kavishan
- Remeena Hirushi
- Kassapa Arthasad
- Chathurani Sudharshika
- Vihanga Nawagamuwa
- Hasitha Induwara
- Samitha Sandaruwan