

# Proiect Curs

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## 1 DESCRIEREA APLICATIEI

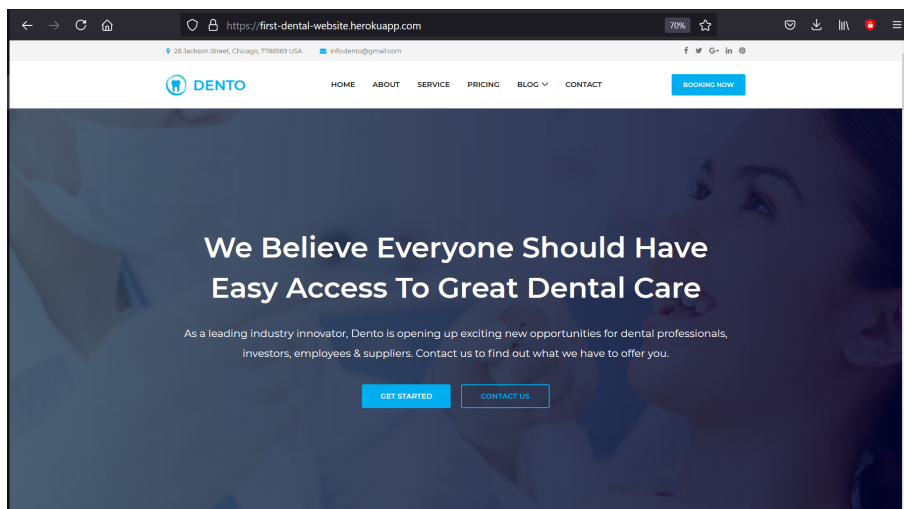


Figure 1.1: <https://first-dental-website.herokuapp.com/>

### 1.1 Site de prezentare cabinet dentar cu aplicatie blog

First-dental-website este site de prezentare al unui cabinet dentar, cu aplicatie de blog integrata. A fost dezvoltat pentru a usura accesul la informatii clientilor care doresc sa viziteze respectivul cabinet medical, cat si pentru a putea distibui informatii la o populatie mai mare, din partea medicilor. De mentionat este ca pentru implementarea acestei aplicatii s-a folosit framework-ul Django, front-end-ul (html, css si js) fiind descarcat de pe <https://themeslab.org/> si adaptat. Ca facilitati oferite de aceasta implementare putem mentiona: trimitere de email pentru contact, programare vizita si newsletter; harta interactiva google-maps integrata; aplicatie de tip blog, cu posibilitatea de inregistrare, logare, publicare si editare articole, profile utilizatori si sectiune comentarii. Toate aceste aspecte vor fi pe larg tratate in cuprinsul acestui raport.

## 2 UNDERSTANDING TEXT

### 2.1 How much wood would a woodchuck chuck if a woodchuck could chuck wood?

#### 2.1.1 Suppose “chuck” implies throwing.

According to the Associated Press (1988), a New York Fish and Wildlife technician named Richard Thomas calculated the volume of dirt in a typical 25–30 foot (7.6–9.1 m) long woodchuck burrow and had determined that if the woodchuck had moved an equivalent volume of wood, it could move “about **700 pounds (320 kg)** on a good day, with the wind at his back”.

#### 2.1.2 Suppose “chuck” implies vomiting.

A woodchuck can ingest  $361.92 \text{ cm}^3$  (22.09 cu in) of wood per day. Assuming immediate expulsion on ingestion with a 5% retainment rate, a woodchuck could chuck  **$343.82 \text{ cm}^3$**  of wood per day.

BONUS: SUPPOSE THERE IS NO WOODCHUCK. Fusce varius orci ac magna dapibus porttitor. In tempor leo a neque bibendum sollicitudin. Nulla pretium fermentum nisi, eget sodales magna facilisis eu. Praesent aliquet nulla ut bibendum lacinia. Donec vel mauris vulputate, commodo ligula ut, egestas orci. Suspendisse commodo odio sed hendrerit lobortis. Donec finibus eros erat, vel ornare enim mattis et.

## 3 INTERPRETING EQUATIONS

### 3.1 Identify the author of Equation 3.1 below and briefly describe it in English.

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)} \quad (3.1)$$

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### 3.2 Try to make sense of some more equations.

$$\begin{aligned} (x+y)^3 &= (x+y)^2(x+y) \\ &= (x^2 + 2xy + y^2)(x+y) \\ &= (x^3 + 2x^2y + xy^2) + (x^2y + 2xy^2 + y^3) \\ &= x^3 + 3x^2y + 3xy^2 + y^3 \end{aligned} \quad (3.2)$$

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

$$A = \begin{bmatrix} A_{11} & A_{21} \\ A_{21} & A_{22} \end{bmatrix} \quad (3.3)$$

Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem.

## 4 VIEWING LISTS

### 4.1 Bullet Point List

- First item in a list
  - First item in a list
    - \* First item in a list
    - \* Second item in a list
  - Second item in a list
- Second item in a list

### 4.2 Numbered List

1. First item in a list
2. Second item in a list
3. Third item in a list

## 5 INTERPRETING A TABLE

<i>Per 50g</i>	<b>Pork</b>	<b>Soy</b>
Energy	760kJ	538kJ
Protein	7.0g	9.3g
Carbohydrate	0.0g	4.9g
Fat	16.8g	9.1g
Sodium	0.4g	0.4g
Fibre	0.0g	1.4g

Table 5.1: Sausage nutrition.

### 5.1 The table above shows the nutritional consistencies of two sausage types. Explain their relative differences given what you know about daily adult nutritional recommendations.

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## 6 READING A CODE LISTING

Listing 1: Luftballons Perl Script.

```
1 #!/usr/bin/perl
2
3 use strict;
4 use warnings;
```

```

5
6 for (1..99) { print $_." Luftballons\n"; }
7
8 # This is a commented line
9
10 my $string = "Hello World!";
11
12 print $string."\n\n";
13
14 $string =~ s/Hello/Goodbye Cruel/;
15
16 print $string."\n\n";
17
18 finale ();
19
20 exit;
21
22 sub finale { print "Fin.\n"; }

```

### 6.1 How many luftballons will be output by the Listing 1 above?

Aliquam arcu turpis, ultrices sed luctus ac, vehicula id metus. Morbi eu feugiat velit, et tempus augue. Proin ac mattis tortor. Donec tincidunt, ante rhoncus luctus semper, arcu lorem lobortis justo, nec convallis ante quam quis lectus. Aenean tincidunt sodales massa, et hendrerit tellus mattis ac. Sed non pretium nibh. Donec cursus maximus luctus. Vivamus lobortis eros et massa porta porttitor.

### 6.2 Identify the regular expression in Listing 1 and explain how it relates to the anti-war sentiments found in the rest of the script.

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