

**Hasta La Vista  
Patient Journaling System  
Requirements Document**

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# Contents

- 1 What is Hasta La Vista? .....3
- 2 Major Features ?. .....3
- 3 How Does It Work? ?. .....3
- 4 Using Hasta La Vista ?. .....4
  - 4.1 Getting Started?. .....4
  - 4.2 Main Window ?. .....5
    - 4.2.1 Medical Examination?. .....6
    - 4.2.2 Past Records?. .....7
    - 4.2.3 Quick Search?. .....7
  - 4.3 Menus & Functions?. .....8
    - 4.3.1 Hastala Vista menu. ....8
      - 4.3.1.1 New Medical Examination?. .....8
      - 4.3.1.2 Record New Patient?. .....8
      - 4.3.1.3 Record New Family?. .....8
      - 4.3.1.4 Settings?. .....9
      - 4.3.1.5 Exit?. .....9
    - 4.3.2 Menu?. .....9
      - 4.3.2.1 New Search?. .....9
      - 4.3.2.2 Close the search tab?. .....9
      - 4.3.2.3 Show Selected?. .....9
    - 4.3.3 Statistic Menu?. .....10
      - 4.3.3.1 Show statics according to type of sickness ?. .....10
      - 4.3.3.2 Show statics according to age?. .....10
      - 4.3.3.3 Show statics according to the level of education?. .....10
    - 4.3.4 About Menu?. .....10
- 5 Under The Hood. ....10

# Chapter 1

## What is Hasta La Vista?

Hasta La Vista is an application which will provide an easy to use patient journaling system for small and medium private healthcare institutions. It will hold patient information, past records for medical examinations, diagnosis and cure information.

Keeping track of this data is vital for the institution. It will hold less space than a hardcopy, will have features like searching, history viewing which are time consuming. It will save time and money. Also it supports a new coming concept. "A Doctor to each family".

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<sup>1</sup>Good-Bye in Spanish

# Chapter 2

## Major Features

Some major features are

- Fast search, register new patient
- Advanced Search
- Statistical Information
- Database back-end

# Chapter 3

## How Does It Work?

Hasta La Vista concentrates on the medical examinations or appointments of the patients. The default event is to register a new appointment with a new or previously recorded patient. Doctors should also be previously defined. While entering a new appointment some of the patient information is required. The basic and most important is the Government Identity Number<sup>1</sup> which is a unique identifier useful for distinguishing patients with the same name.

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<sup>1</sup>TC Kimlik No

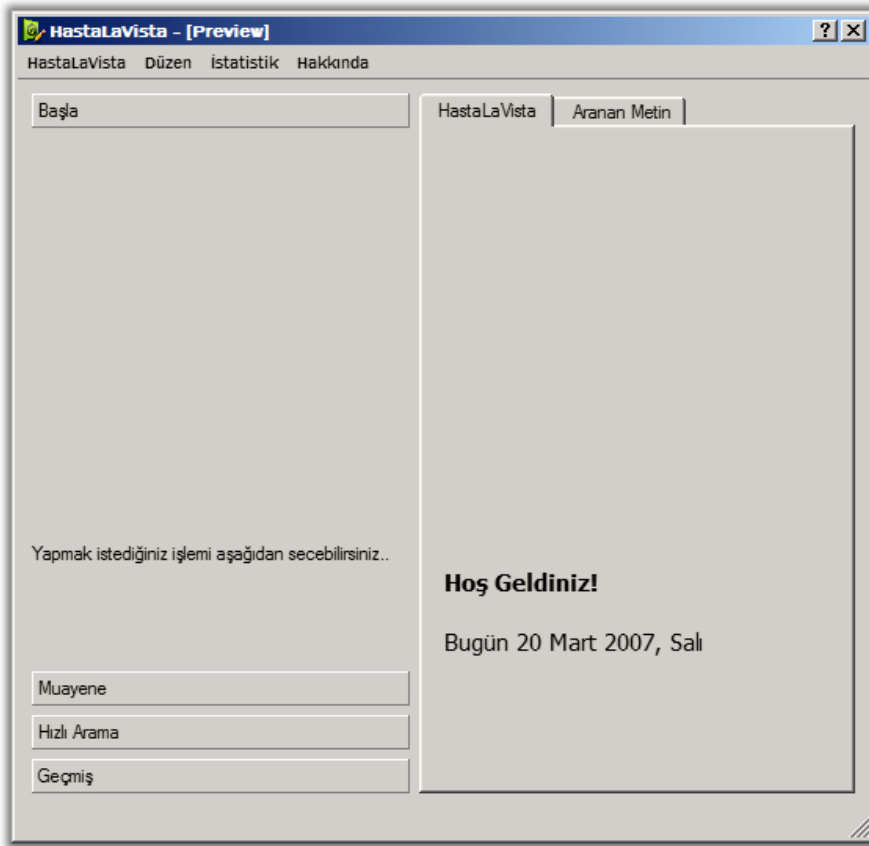
## Chapter 4

# Using Hasta La Vista

### 4.1 Getting Started

When Hasta La Vista runs the first time, it start with a “Main Window” which provides you almost every function.

Figure.4.1 : Main window at startup



## 4.2 Main Window

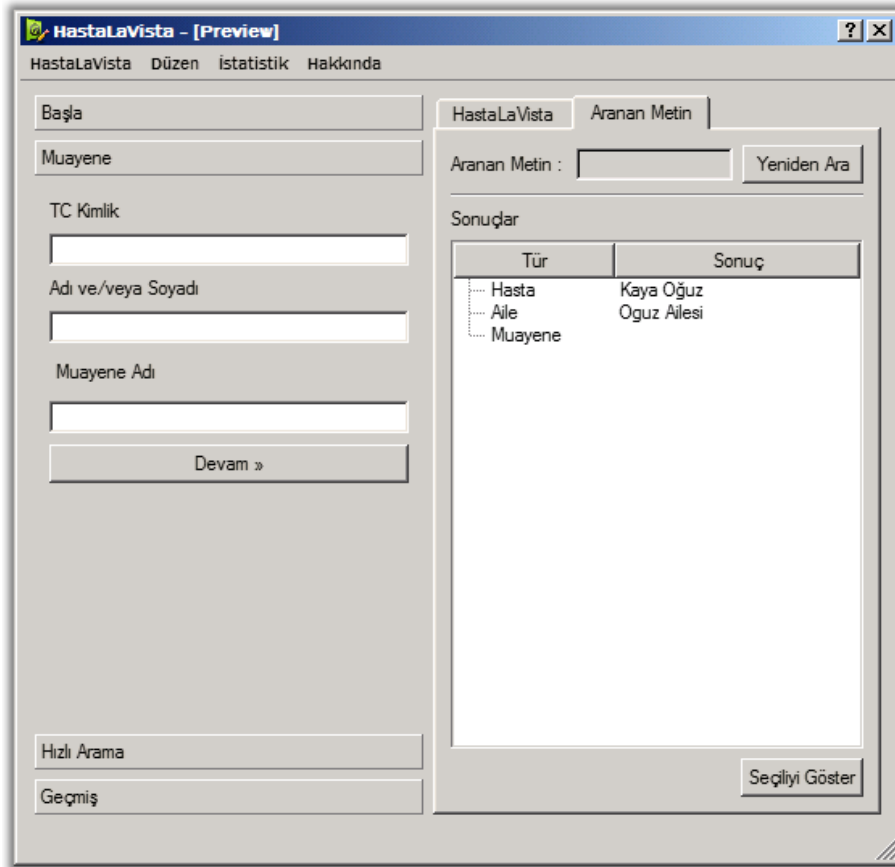
Main Window is the point where all the actions are taken. On the left side, there's a bar for commonly used functions. On the right there are tabs which shows the current time and the results of search, respectively.

The Main Window provides an easy access common functions on the left side bar.

- Medical Examination
- Past Records
- Quick Search

All searches will be displayed at the list widget on the right.

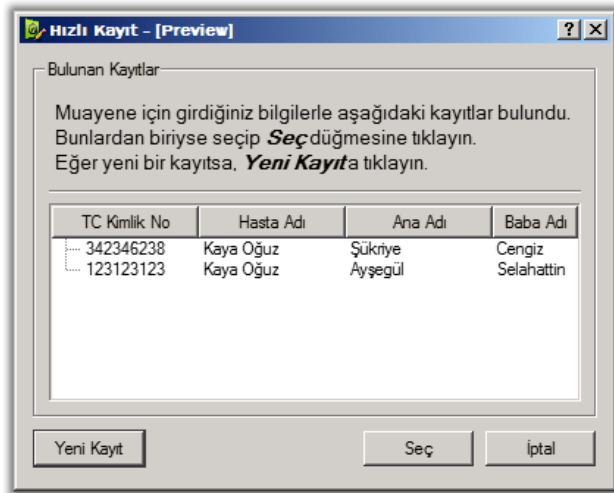
Figure 4.2: Main Window, Side Bar with Medical Examination



#### 4.2.1 Medical Examination

When this is open, you can easily search record for medical examinations by entering at least one of the attributes. When the continue button is clicked, it searches the database if any patients match. If it does so, it displays a window and asks to choose one of the following matches or create a new record for the medical examination. If there are no matches, it loads the Patient Record Window with previously entered values. The “Patient Record Window” will be discussed later.

Figure 4.3: Selecting one of the matching records



After selecting one of the results it displays another window:

Figure 4.4 display details of a medical explanation such as diagnosis, fee, medical treatment, personal thoughts

The screenshot shows a software window titled "Muayene - [Preview]". It has a menu bar with "Hasta", "Teşhis", "Tedavi", and "Bilgiler". The main content area is titled "Hasta Bilgileri" and contains the following text:

**Adı Soyadı :** Kaya Oğuz  
**Aile :** Oğuz Ailesi  
**Doğum Tarihi:** 21.01.1980  
**Yaş:** 26  
**Cinsiyet:** Erkek  
**Önceki Teşhisler:** Grip, Nezle, vs.  
**Genel Görüşler:**

Below this text, there is a note: "Hastayı buradan tekrar seçebilirsiniz". There are two input fields: "TC Kimlik" and "Adı ve/veya Soyadı". A "Getir" button is positioned to the right of the second input field. At the bottom of the window, there are "Kaydet" and "İptal" buttons.

#### 4.2.2 Past Records

Past records is the history of the records. If desired only the current month can be selected. For each month it displays the patients.

The screenshot shows a software window titled "HastaLaVista - [Preview]". It has a menu bar with "HastaLaVista", "Düzen", "İstatistik", and "Hakkında". The window is divided into two main sections. On the left, there are several buttons: "Başla", "Muayene", "Hızlı Arama", "Geçmiş", "Ayı Seçin", and "Göster". The "Ayı Seçin" button is followed by a dropdown menu showing "01.2000". On the right, there is a search section titled "HastaLaVista" and "Aranan Metin". It contains an input field for "Aranan Metin" and a "Yeniden Ara" button. Below this is a table titled "Sonuçlar" with two columns: "Tür" and "Sonuç". The table contains the following data:

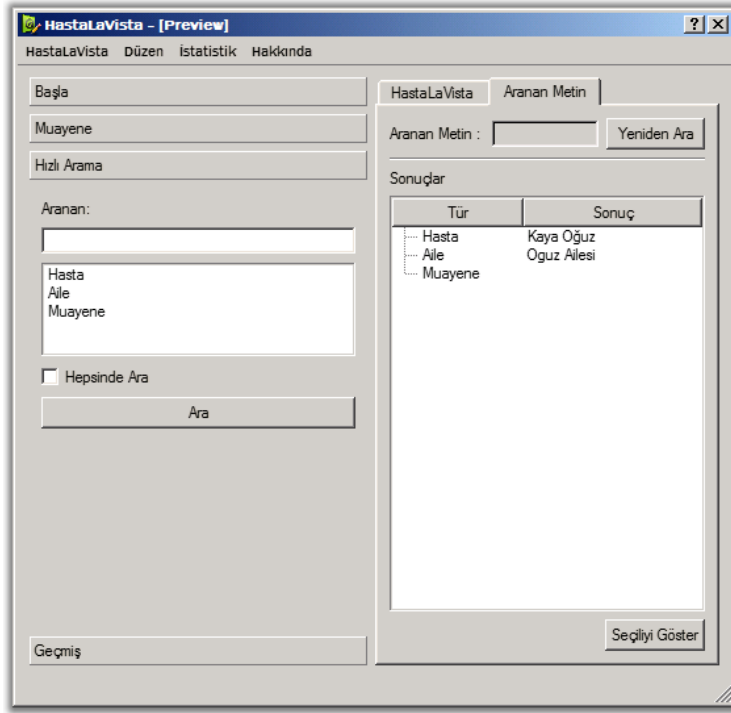
Tür	Sonuç
Hasta	Kaya Oğuz
Aile	Oguz Ailesi
Muayene	

At the bottom right of the window, there is a "Seçiliyi Göster" button.

#### 4.2.3 Quick Search

Quick Search provides a fast search on three important databases of Patients, Families and medical examinations.

Figure 4.5 : Quick Search



if you click the button to show selected result the details will be displayed

## 4.3 Menus & Functions

The Main Window has menus for different actions. We should take a closer look at them.

### 4.3.1 HastaLavista Menu

#### 4.3.1.1 New Medical Examination

As we have said before, medical examination is the part which we concentrate on. So this dialog window is important as it brings all databases together. When you select this, a new window opens to record the details of the medical examination.

#### 4.3.1.2 Record New Patient

When you click on this, it opens another window as seen in figure 4.6

Figure 4.6 Patient Recording

#### 4.3.1.3 Record New Family

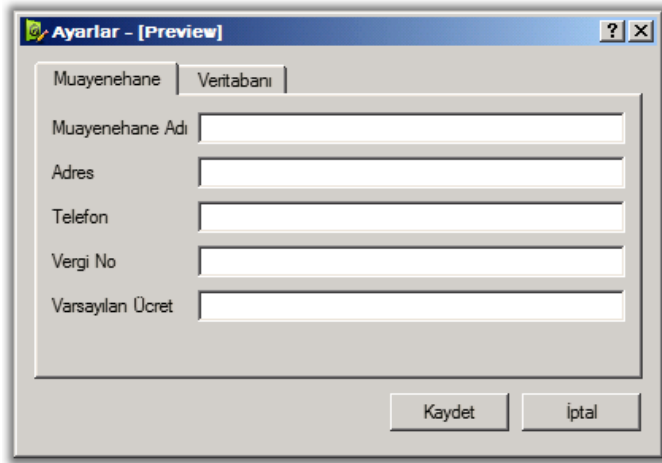
it records a new family and assigns a “family doctor”

Figure 4.7 family recording

#### 4.3.1.4 Settings

The settings dialog helps to change the database. It has a Browse button to find the file. And also change the details of current medical examination such as fee place of examination etc.

Figure 4.8 Settings window



#### 4.3.1.5 Exit

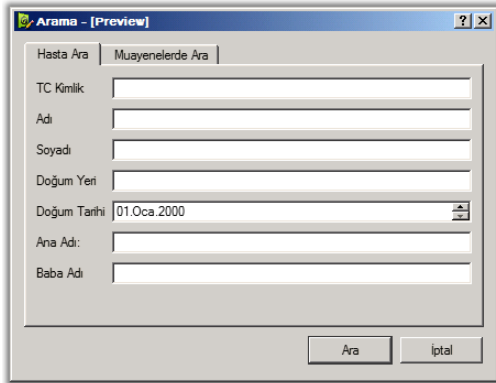
\*As the name suggests this exits the Hasta La Vista program. As all the information is stored on a database, there's no need to save anything.

### 4.3.2 Edit Menu

#### 4.3.2.1 New Search

It provides an advance search and displays a search window. It is also possible to search by using all the details of both patient and medical examination.

Figure 4.9 Advance Search



#### 4.3.2.2 Close the search tab

It closes the search tab in the main window.

#### 4.3.2.3 Show Selected

### 4.3.3 Statistic Menu

4.3.3.1 Show statics according to type of sickness

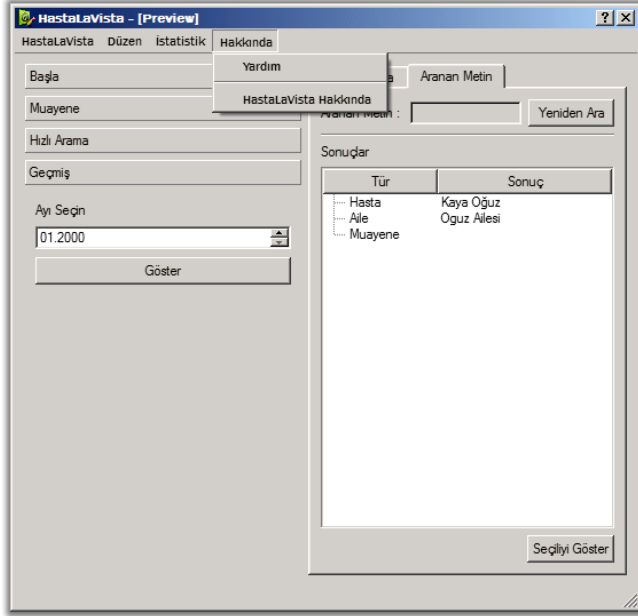
4.3.3.2 Show statics according to age

4.3.3.3 Show statics according to the level of education

### 4.3.4 About Menu

This menu holds two items; Help and About. We will be documenting a detailed help file which will be in HTML format and accessible with a dialog window. About will display information about the project.

Figure 5.0 Main window with about menu is open



## Chapter 5

### Under The Hood

Technically, the SQLite database library is not in a server - client architecture. This binds us to a single computer. We are working on a database class which will increase the capabilities a little bit. This class will be responsible for all database interactions, inserting, updating and deleting, even creating new tables when the new database creation is selected at settings. If we can, we will also try to make it talk to other computers in a peer to peer connection. This way, a central database can be managed.