

Exam Result System

User Interface & Database Design

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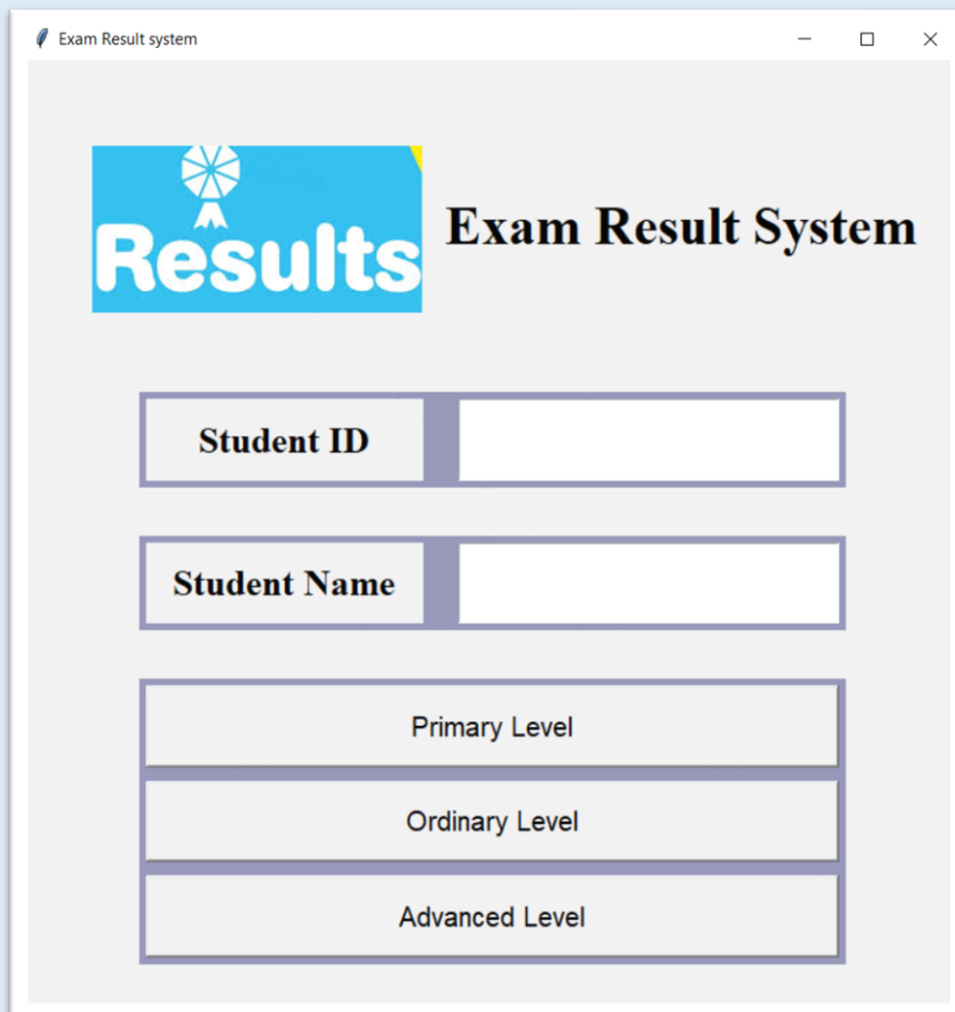
1. Frontend

Main window

Main window is the main part of the system. It was created using frames, buttons, entries, picture and etc. I used frames for title, picture, student name, student id and level buttons. There are three level buttons in this main window. Such as primary Level, Ordinary Level and Advance Level.

I used two entries to get user input data. Student Id and Student Name are entries of this main window.

- Main Window user Interface



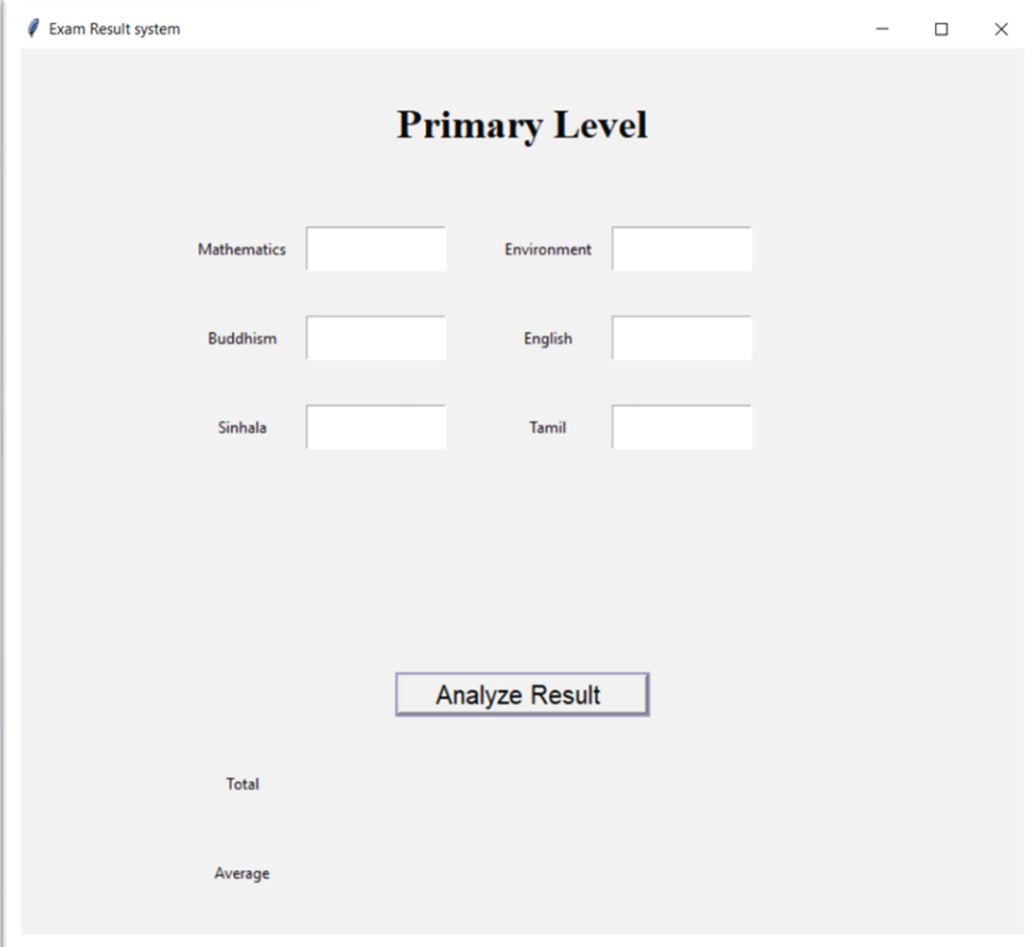
The screenshot displays the main window of the 'Exam Result system'. The window has a title bar with the text 'Exam Result system' and standard window control buttons (minimize, maximize, close). The main content area features a logo on the left with a blue square containing a white sun-like icon and the word 'Results' in white. To the right of the logo, the text 'Exam Result System' is displayed in a large, bold, black font. Below the logo and title, there are two input fields for user data. The first field is labeled 'Student ID' and the second is labeled 'Student Name'. Both labels are in bold black text and are positioned to the left of their respective input boxes. Below these input fields, there are three buttons for selecting the exam level. The buttons are labeled 'Primary Level', 'Ordinary Level', and 'Advanced Level' from top to bottom. Each button has a light gray background and a thin black border.

Primary window

Student can enter the primary window using the primary window button. I used frames for primary level title, subjects, total, average and Analyse button. There is a analyse button in this primary window. It helps to calculate total and average.

I used entries to get Subject results from the user (Student). There are 6 entries of this primary window. I used ten labels to input the text into the primary window.

- Primary Level User Interface



The screenshot shows a window titled "Exam Result system" with standard window controls (minimize, maximize, close). The main content area has a title "Primary Level" in bold. Below the title, there are six input fields arranged in two columns. The left column contains labels "Mathematics", "Buddhism", and "Sinhala" next to their respective input boxes. The right column contains labels "Environment", "English", and "Tamil" next to their respective input boxes. Below these input fields is a button labeled "Analyze Result". At the bottom of the window, there are two labels: "Total" and "Average", which are currently empty.

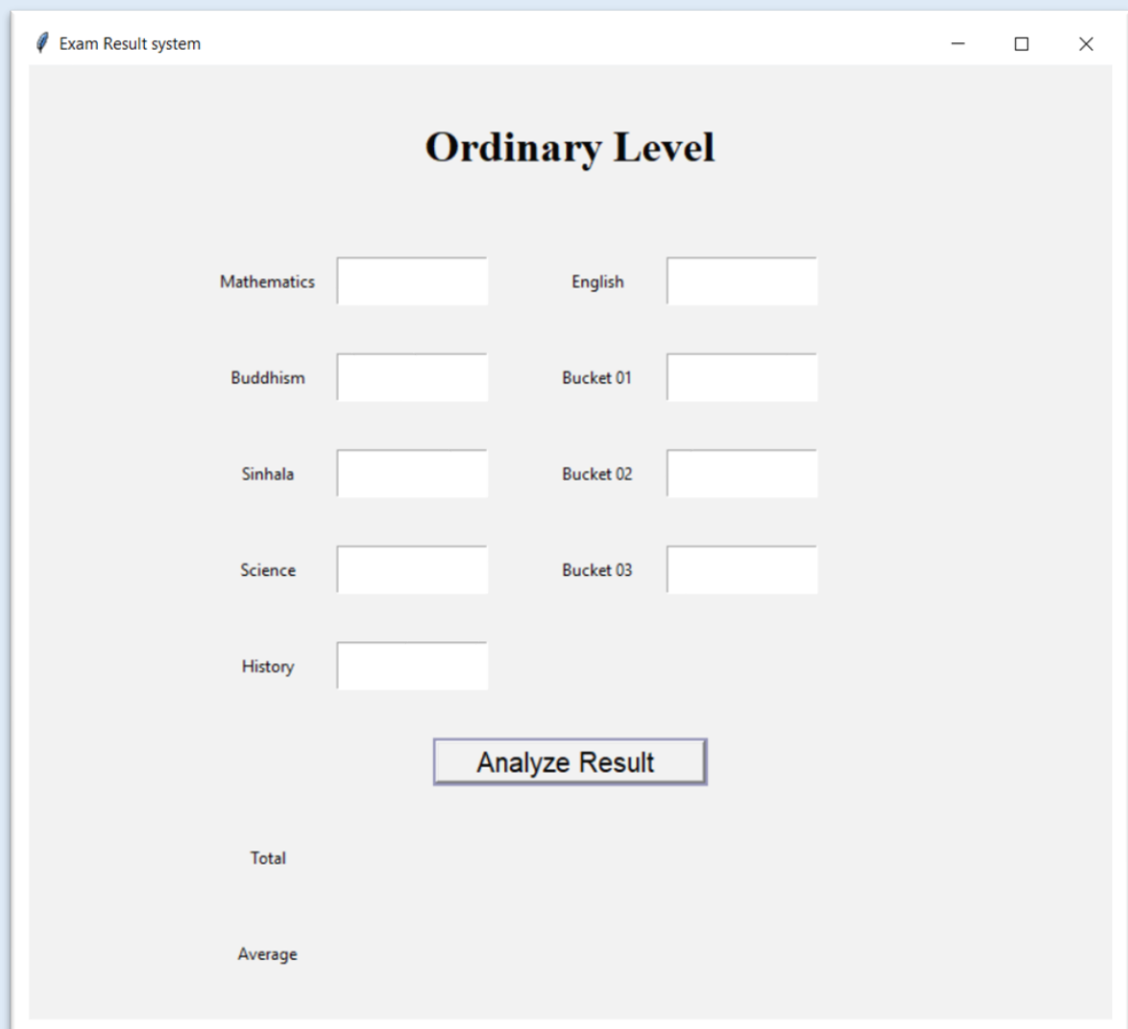
Ordinary window

Student can enter the Ordinary window using the Ordinary window button. I used frames for Ordinary level title, subjects, total, average and Analyse button. There is a analyse button in this Ordinary window. It helps to calculate total and average.

I used entries to get Subject results from the user (Student). There are 9 entries of this Ordinary window. I used thirteen labels to input the text into the Ordinary window.

I used following codes to create Ordinary Level window:

- Ordinary Level User Interface



The screenshot shows a window titled "Exam Result system" with standard window controls (minimize, maximize, close). The main content area has a title "Ordinary Level" in bold. Below the title, there are two columns of input fields. The left column contains labels for "Mathematics", "Buddhism", "Sinhala", "Science", and "History", each followed by a text entry box. The right column contains labels for "English", "Bucket 01", "Bucket 02", and "Bucket 03", each followed by a text entry box. Below these input fields is a button labeled "Analyze Result". At the bottom of the window, there are two labels: "Total" and "Average", which appear to be placeholders for calculated values.

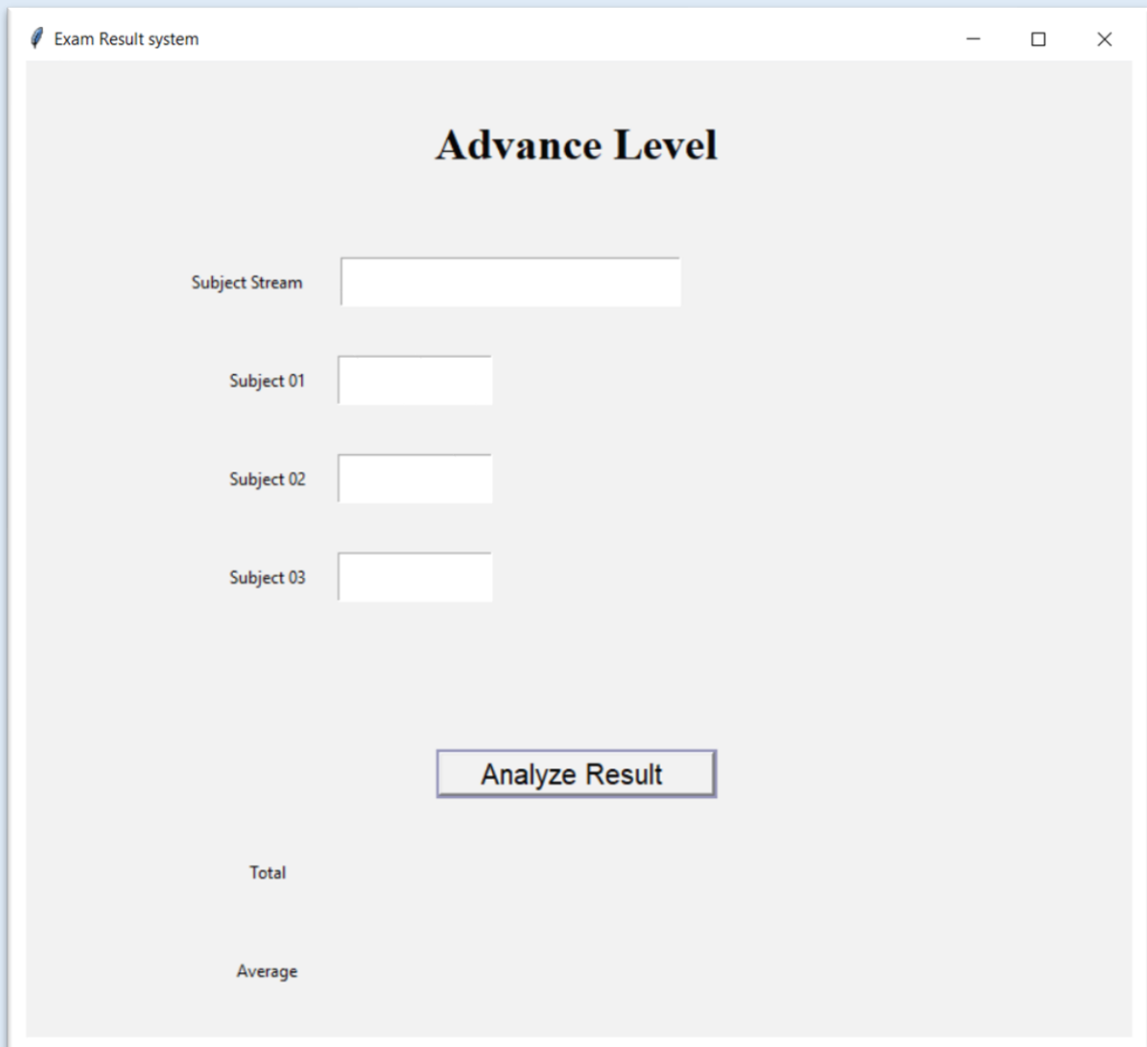
Advance Level window

Student can enter the Advance Level window using the Advance Level window button. I used fames for Advance level tittle, subjects, total, average and Analyse button. There is a analyse button in this Advance Level window. It helps to calculate total and average.

I used entries to get Subject results from the user (Student). There are 4 entries of this primary window. I used eight labels to input the text into the primary window.

I used following codes to create Advance Level window:

- Advance Level User Interface



The screenshot shows a window titled "Exam Result system" with a standard Windows-style title bar (minimize, maximize, close buttons). The main content area has a light gray background and is titled "Advance Level" in a large, bold, black serif font. Below the title, there are four input fields, each preceded by a label: "Subject Stream", "Subject 01", "Subject 02", and "Subject 03". The "Subject Stream" field is wider than the others. Below these fields is a button labeled "Analyze Result" with a blue border. At the bottom of the window, there are two labels: "Total" and "Average", which are currently empty.

2.Backend

- Primary Level Database

	StuID	StuName	Subject1	Subject2	Subject3	Subject4	Subject5	Subject6	Total	Average
1	100	Nimal	45	56	98	87	78	78	442	73.6666666666667
2	10005	asdfg	78	45	67	67	56	56	369	61.5
3	10006	Nimali	78	89	67	78	56	98	466	77.6666666666667
4	10008	Samadi	78	67	80	70	78	56	429	71.5
5	10050	Vimansa	78	98	70	67	78	80	471	78.5
6	10678	Tharuka	77	80	75	70	71	83	456	76
7	12345	adfdfg	23	34	45	45	45	76	268	44.6666666666666
8	17904	Naween	84	78	96	74	56	78	466	77.6666666666667

- Ordinary Level Database

	StuID	StuName	Subject1	Subject2	Subject3	Subject4	Subject5	Subject6	Subject7	Subject8	Total	Average	
1	1234	fgdfyh	39	90	68	89	78	90	78	89	78	699	77.6666666...
2	32400	Anushka	65	89	75	95	70	83	74	54	69	674	74.8888888...
3	43256	Anusha	96	85	45	65	35	74	45	65	45	555	61.6666666...
4	23456	Saduni	85	78	75	45	96	85	65	75	56	660	73.3333333...
5	40087	Rangi	85	78	95	75	65	95	65	65	78	701	77.8888888...
6	38796	Gayani	89	45	78	65	75	85	75	95	78	685	76.1111111...

- Advance Level Database

	StuID	StuName	SubjectStream	Subject1	Subject2	Subject3	Total	Av...
1	1234	asdf	art	97	78	89	264	88
2	50006	Lakshan	Commerce	78	95	78	251	83.66666...
3	54567	Ashan	Teach	67	87	60	214	71.33333...
4	60005	Danusha	Science Stream	78	67	89	234	78
5	70000	mulshan	commrce	45	78	69	192	64
6	70111	Sandeep	Maths	85	74	65	224	74.66666...
7	78567	mulshan	Art	98	75	84	257	85.66666...