

Project Presentation



Team Members

Nupur Sawarkar

Pranay Yenagandula

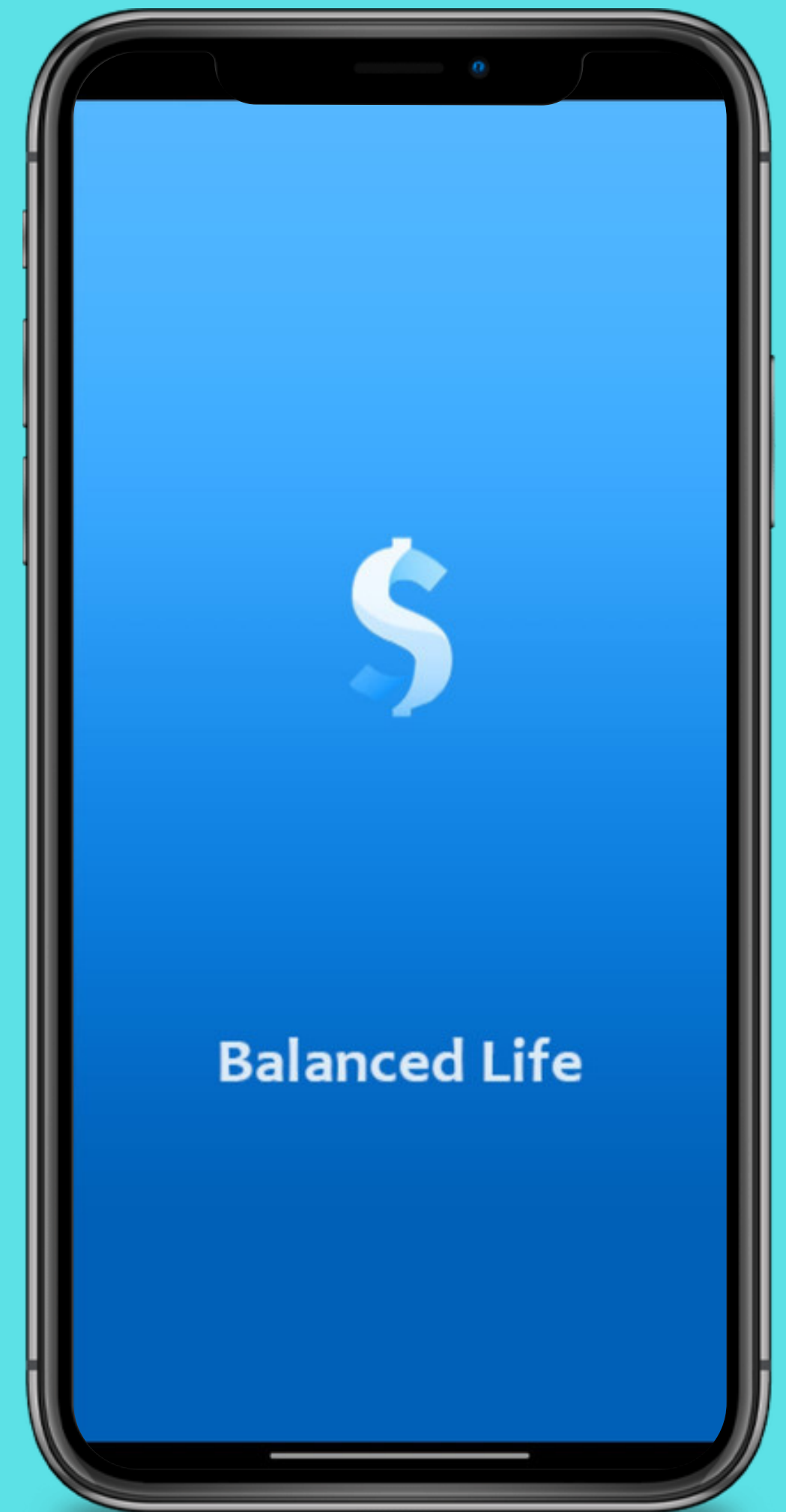
Devang Shetye

Guide

Prof. Shruti Agrawal

Balanced Life

Expense Tracker Application



Introduction to the Project

Balanced Life is a personal budget management android application which will help the user track their spending and ensure a better expense pattern in the future

Survey

We floated a survey form among individuals to understand their financial situation.

Purpose of the project



67%

Are unaware of what is happening with their money



80%

Are constantly worried and stressed about their finances



55%

Age group between 21 to 27 become broke at the end of the month.



72%

spend and save in a haphazard manner

Features



01

Upload receipt by clicking an image or choosing from Gallery



02

User can set budget limit on monthly expenses



03

Analytics and Insights in the form of graphs and pie charts



04

Secure access with OTP verification so that your data is safe



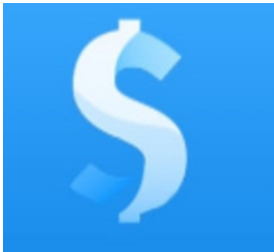
05

Timely Suggestions from the app on where to spend less and save money.

Competitive Analysis



Gives you indication that overspent for this month	
No need to feel long forms for using application	
Information displayed in simplified way	
Daily, Weekly, Monthly Analysis	
Free of cost	



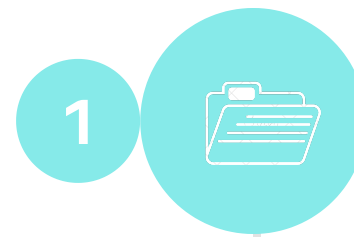
Technologies Used

ANDROID STUDIO

DATABASE (FIREBASE)

PYTHON IDE & PYTHON PACKAGES

Modules



Login/Register

User should be able to register into the application create his/her profile and login



OTP Verification

User's mobile number will be verified



Home Screen

Expenses extracted from the receipts will be displayed



Dashboard

User can update limit, upload bills as well as add expense manually



Settings

Statistics, view uploaded bills and logout of the application

Working Methodology

1

IMAGE PROCESSING

For scanning the receipt and extracting the text.

INDAH GIFT & HOME DECOR
27, JALAN DEWAPIN,
TAMAN JOHOR JAYA,
81100 JOHOR BAHRU, JOHOR.
Tel: 07-3507405 Fax: 07-3558160

RECEIPT

19/10/2019 20:49:59 401
Cashier: CN Location/SP: 05 /0531

MS: W026589
Room No: 01 050100035279

Desc/Item	Qty	Price	Am't(RM)
ST-PRIVILEGE CARD/BD INDAH			
88988	1	10.00	10.00
GF-TABLE LAMP/STITCH <1>			
62483	1	55.90	55.90
	30% DISC	10.00%	-5.59
#Total Qty	2		
TOTAL AMT..... RM			59.31
ROUNDING ADJ.....			-0.01
		RM	59.30 ✓
CASH..... RM			79.30
CHANGE..... RM			19.00

Thank You ! Please Come Again !
Goods Sold Are Not Returnable
Dealing In Wholesale And Retail.

A04086

AEON CO. (M) BHD (126926-H)
3RD FLR, AEON TAMAN MALURI SG
JLN JEJAKA, TAMAN MALURI
CHERAS, 55100 KUALA LUMPUR
GST ID : 002017384688
SHOPPING HOURS
SUN-THU: 1000 HRS - 2200 HRS
FRI-SAT: 1000 HRS - 2300 HRS
VALUED CUSTOMER: 1170088176

1x 000000811101	2.5088
TANABO (S)	
DISC 30% @1.75	-0.75
Sub-total	1.75
Total Sales Incl GST	1.75
Total After Adj Incl GST	1.75
CASH	1.80
Item Count 1 Change Amt	0.05
Invoice No: 2018041810090010447	
GST Summary	Amount Tax
SR @ 8%	1.65 0.10
Total	1.65 0.10
18/04/2018 20:27	1009 001 0010447
0308654 PAVITHRA	

AEON TAMAN UNIVERSITI
TEL 1-800-80-AEON (2366)
THANK YOU FOR YOUR PATRONAGE
PLEASE COME AGAIN

Working Methodology

A

IMAGE TO TEXT CONVERSION

THE THOMASTON CORPORATION 71 PARTRIDGE LANE GHENT, NY 12075 518-392-9090 FAX: 518-392-3089		Invoice				
		Date	Invoice #			
		10/1/2008	2521			
Bill To		Ship To				
FINANCE DEPT 148 MARTINE AVE, RM 728 WHITE PLAINS, NY 10601		WESTCHESTER COUNTY AIRPORT AIRPORT MAINTENANCE 14 LOOPER RD BLDG 10 WHITE PLAINS, NY 10604 ATTN: ALAN FLEISCHMAN				
P.O. No.	Terms	Rep	Ship	Via	F.O.B.	Project
44PC0834721	Net 30		10/1/2008	TRUCK	PREPAID	
Quantity	Item Code	Description			Price Each	Amount
10		Prickly pear				245.54
		Housing Repairs				2101.32
		Pyjama				2000
		Energy Drink				500
		Laptop				5000
10		Undershirt				4990
		European rabbit				300.54
		Home Ownership				32454.766
ORDER COMPLETE THANK YOU FOR YOUR BUSINESS					Total	36,371.06

Cost

['245.54', '2101.32', '2000', '0',
'500.0', '4990', '300.54', '32454.766']

Items

['Prickly pear', 'Housing Repairs',
'Pyjama', 'Energy Drink', 'Laptop', '#
1Undershirt', 'European rabbit', 'Home
Ownership']

Total Price= 36,371.06

Working Methodology

B

SORTING

```
Food:
  Prickly pear : 245.54, Energy Drink : 0, European
  rabbit : 300.54

Shirts:
  Pyjame : 2000

Misc:
  Housing Repairs : 2101.32, Home Ownership :
  32454.766

Others:
  Laptop : 500.0, # 1Undershirt : 4990, [ THANK YOU
  FOR YOUR BUSINESS Total : 36,371.06

In [4]:
```

```
Food:
  2 ChicMcMuf fin : 11.00, 1M Porridge : 5.60, 1 BM
  2HotCakes : 10.00

Shirts:

Misc:

Others:
  TakeOut Total ( incl GST ) : 26.60, Total Rounded :
  26.60, Cash Tendered : 90.00, Change : 73,40,
  Customer Service Hotline : : 03-2726-5600
```

Working Methodology

2

**SUGGESTION
SYSTEM USING ML**

**A DATASET HAVING MONTHLY INCOME, EXPENSE ,
LIMIT AS WELL AS EXPENSE AND LIMIT FOR EACH
CATEGORY WAS DEVELOPED**

**THIS DATASET WAS USED TO TRAIN THE MODEL TO
GIVE APPROPRIATE SUGGESTIONS.**

DEMO