# Finance Tracker Requirements and Test Document

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#### INTRODUCTION:

This document will detail the various requirements and test cases needed to have a fully functional application. This program will be a personal monthly finance tracker where the user will be able to create entries, edit entries throughout the month and view all entries that have been entered. Further details can be found in the Software Design Document.

The requirements and test cases that follow break down the application into testable units. Some requirements and test cases are designed to test program reliability and adequate function of the back-end code. Other requirements and test cases are designed to test the user interface and its ability to interact with the back-end program. Both of these types of test cases requirements are necessary for the application to function.

#### **BACKGROUND INFORMATION:**

As previously stated, further information about the specific categories, sub-categories, accounts, types, etc. Is available in the software design document. Refer to tables 1-6 to see the list of available selections and when they should become available.

#### **REQUIREMENTS:**

**Table 1: Requirement Specifications** 

ID	Requirement Specification					
1	As a tester I want to be able to create an instance of Entry and set all its required					
	information: dollarAmount, type, category, account, comment.					
	1.1: A new instance can only be created when a valid entryID, entryID>0, is passed					
	in the constructor.					
	1.2: A new instance of Entry shall be initialized by setting all its values to −1 and amount to 0.0.					
	1.3: The dollar amount, type, category, subcategory1-4, account, attributes shall					
	only be settable to a value greater than 0 after being initialized. An					
	InvalidEntryException shall be thrown if attempted.					
2	As a tester I want to be able to create and instance of Entries to then add and remove entries from.					
	2.1: A new Entry may only be added if the entry is valid.					
	2.2: An Entry shall be able to be removed based on and entryNumber.					
	2.3: An Entry shall be able to be found by entryNumber.					
3	As a tester want to be able to Create a new instance of EntryFrame with or without					
	an Entry.					

	3.1: The program shall only display selection menus for dollarAmount, type, account, an area for a comment, and the submit or cancel buttons if instantiated with a null entry.
	3.2: The program shall load the Entry data if instantiated and display all the previously selected and entered values for the user to change.
	3.3: The program shall add the Entry when the submit button is pressed only if the Entry contains valid information.
4	As a programmer I want to be able to read and write from a file containing data in the following format int,double,int,int,int,int,int,int,int,int,
	4.1: The program shall name a new file Month.txt and it should be located in the
	directory ./Files/YYYY/Month.txt where YYYY is the current numerical year, and
	Month is the current month's name.
	4.2: The program shall be able to print a series of entries onto the file.
	4.3: The program shall be able to read the entries in a file, parse them into Entry
	objects and return an Entries object with all the file Entry objects in it.
5	As a user I want to be able to read the data from the file in a textual, decoded way.
	5.1: The program can take a String read from a file and decode it into a textual
	representation.
	5.2: The program will determine what account was charged and represent it in a
	text version.
	5.3: The program will only take the relevant information from an Entry.
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story ID	<put a="" here,="" id.="" requirement="" the="" with=""></put>

# **TEST CASES:**

**Table 1: Test Case Summary** 

User Story ID	Requirement ID	Test Case ID	Date	Status Pass/Fail/Pending
1	1.1	1.1	03.28.25	PASS
1	1.2	1.2	03.28.25	PASS
1	1.3	1.3	03.28.25	PASS
2	2.1	2.1	03.28.25	PASS
2	2.2	2.2	03.28.25	PASS

2	2.3	2.3	03.28.25	PASS
3	3.1	3.1	03.28.25	PASS
3	3.2	3.2	03.28.25	PASS
3	3.3	3.3	03.28.25	PASS
4	4.1	4.1	03.31.25	PASS
4	4.2	4.2	03.31.25	PASS
4	4.3	4.3	03.31.25	PASS
5	5.1	5.1	03.31.25	PASS
5	5.2	5.2	03.31.25	PASS
5	5.3	5.3	03.31.25	PASS

**Table 2: Test Case Template and Results** 

Test Case ID: 1.1 Current Status: PASS Date: 03.28.25

**Req. ID:** 1.1 A new instance can only be created when a valid entryID, entryID>0, is passed in the constructor.

Step#	Operator Action	Expected Results	Comments
1	In Entry Class /*Test Main*/ instantiate a new Entry object and pass it int 0.	Program should throw an InvalidEntryException with message: Invalid Entry Number.	<pre>/*TEST MAIN*/ Run main   Debug main   Run   Debug public static void main(String[] args) {     try {         Entry testEntry = new Entry(entryNumber:0);         System.out.println(testEntry.getEntryString());     } catch (InvalidEntryException e) {         System.out.println(e);     } }</pre>
2	In Entry Class /*Test Main*/ instantiate a new Entry object and pass it int 1.	Program should print the new entry instance in the format: id,0.0,-1,-1,-1,-1,-1,-1,-1, This format represents an empty entry.	<pre>/*TEST MAIN*/ Run main Debug main Run Debug public static void main(String[] args) {     try {         Entry testEntry = new Entry(entryNumber:1);         System.out.println(testEntry.getEntryString());     } catch (InvalidEntryException e) {         System.out.println(e);     } }</pre>

Test Case ID: 1.2	Current Status: pending	<b>Date:</b> 03.28.25
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**Req. ID:** A new instance of Entry shall be initialized by setting all its values to -1 and amount to 0.0.

Step#	Operator Action	Expected Results	Comments
	In Entry Class /*Test	Program should print	<pre>/*TEST MAIN*/ Run main   Debug main   Run   Debug public static void main(String[] args) {</pre>
	Main*/ instantiate a	the new entry instance	try {     Entry testEntry = new Entry(entryNumber:1);
	new Entry object and	in the format: id,0.0,-1,-	System.out.println(testEntry.getEntryString()); } catch (InvalidEntryException e) {
1	pass it int > 0.	1,-1,-1,-1,-1,	<pre>System.out.println(e); }</pre>
		This format represents	}
		an empty entry.	

Test Case	Current Status: PASS	<b>Date:</b> 03.28.25
ID: 1.3		

**Req. ID:** 1.3 The dollar amount, type, category, subcategory1-4, account, attributes shall only be settable to a value greater than 0 after being initialized. An InvalidEntryException shall be thrown if attempted.

St	Operator	Expected Results	Comments
е	Action	•	
р			
#			
1	In Entry Class /*Test Main*/ instantiate a new Entry object and pass it int 1. Use the setter methods to set all parameters to a value greater than 0 or non- empty string.	Program should print the new entry instance in the format: id,dollarAmount,type,category,subcategory,subcategory2,subcategory3,subcategory4,accout,comment	150 /*IESI MATH/*  (m man) Debug main [Run] Debug public static void main(Strin  151 try { 152 try { 153 testintry.setabounts 155 testintry.setabounts 157 testintry.setabounts 158 testintry.setabounts 159 testintry.setsbucares 159 testintry.setsbucares 150 testintry.setsbucares 150 testintry.setsbucares 150 testintry.setsbucares 151 testintry.setsbucares 152 testintry.setsbucares 153 testintry.setsbucares 154 testintry.setsbucares 155 testintry.setsbucares 157 testintry.setsbucares 158 testintry.setsbucares 159 testintry.setsbucares 159 testintry.setsbucares 150 testintry.setsbucares 150 testintry.setsbucares 150 testintry.setsbucares 151 testintry.setsbucares 152 testintry.setsbucares 153 testintry.setsbucares 155 testintry.setsbucares 157 testintry.setsbucares
2	In Entry Class /*Test Main*/ instantiate a new Entry object and pass it int 1. Use the setter methods to set all parameters to a value greater than 0 or non- empty string. Using one of the setter	Program should throw and InvalidEntryException and print the corresponding error message. Example: InvalidEntryException: No Category Selected	159

```
methods set a
value of 0 for
any of the
elements.
Example:
testEntry.setC
ategory(0);
```

```
Run main | Debug main | Run | Debug
public static void main(String[] args) {
                                                                                                  Run main | Debug main | Run | Debug
public static void main(String[] args) {
                      testEntry.setAmount(amount:12.22);
                                                                                                            testEntry.setAmount(amount:12.22);
                      testEntry.setType(type:2);
                                                                                                            testEntry.setType(type:2);
                      testEntry.setCategory(category:2);
testEntry.setSubcategory(subcategory:1);
                                                                                                            testEntry.setCategory(category:2);
                                                                                                           testEntry.setSubcategory(subcategory:1);
testEntry.setSubcategory2(subcategory2:2);
testEntry.setSubcategory3(subcategory3:1);
                      testEntry.setSubcategory2(subcategory2:2);
                      testEntry.setSubcategory3(subcategory3:1);
                      testEntry.setSubcategory4(subcategory4:3);
                                                                                                            testEntry.setSubcategory4(subcategory4:3);
                      testEntry.setAccount(account:2);
testEntry.setComment(comment:"Test Comment");
                                                                                                           testEntry.setComment(comment:"Test Comment");
                      System.out.println(testEntry.getEntryString());
                                                                                                           testEntry.setCategory(category:0);
                                                                                                       System.out.println(testEntry.getEntryString());
} catch (InvalidEntryException e) {
                      System.out.println(e);
                                                                                                            System.out.println(e);
                                                                                     PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
```

Test Case ID: 2.1 **Current Status: PASS** Date: 03.28.25 Req. ID: 2.1 A new Entry may only be added if the entry is valid. Valid is not null. Step# **Operator Action Expected Results Comments** TEST MAIN \*/

mani Debug main [Am | Debug

lic staric void main(string[] args) {

fartice entries - new Entries();

try []

e.settanount(amount:100.0);

e.settathount(amount:100.0);

e.settathount(amount:100.0);

e.settathount(amount:100.0);

e.settathount(amount:100.0);

e.settathount(amount:100.0);

e.settathountegony(subcategony):1);

e.settathountegony(subcategony):1);

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e.settathountegony(subcategony):1);

e.settathountegony(subcategony):1);

e.settathountegony(subcategony):1); In Entries Class /\*TEST The Entry object e1 MAIN\*/ instantiate a should be added to the new Entries object. entries attribute. Instantiate a new Entry 1 object: e1 and set its data. Add e1 to entries. System.out.println(e.getEntryString()); In Entries Class /\*TEST The Entry object e1 / TIST PART / A Run main | Debug main | Run | Debug public static void main(String[] args) { Entries entries = new Entries(); Entry e1 = null; entries.addEntry(e1); MAIN\*/ instantiate a should be rejected from new Entries object. the entries. 2 Instantiate a new Entry object: e1 and set it equal to null. **Screenshots:** 

Test Case		Curren	t Status: pending	Date: 03.28.25
	ID: 2.2			
Req. ID: 2.2 An Entry shall be able to be removed based on and entryNumber.				
St	Oper		Expected Results	Comments
е	Act	ion		
р #				
1	In En Class / MAI instan new E object and s data. A	"*TEST N*/ tiate a ntries ect. tiate a Entry ct: e1 et its	Program should print the new entry instance in the format: id,dollarAmount,type,category,subcategory,subcategory2,subcategory3,subcategory4,accout,comment	7151 MAIN */ Run man   Debug man   Run   Debug 125 126 127 128 129 129 130 140 151 152 152 153 154 155 155 156 157 158 158 158 158 158 158 158 158 158 158
Use the removeEntry ByNumber() function to remove the entry by ID.		the eEntry nber() on to ve the	Program should print the rest of the entries in the array in this case nothing should be printed.	7*FEST MAIN */  **Dum main [Dakog main] Run [Dakog  125  126  127  128  129  129  120  120  120  121  121  121
Scre	enshots	s:		152

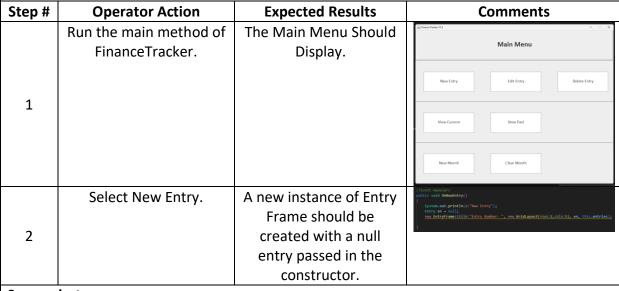
```
/*TEST MAIN */
Run man [Dabug man | Run | Dabug

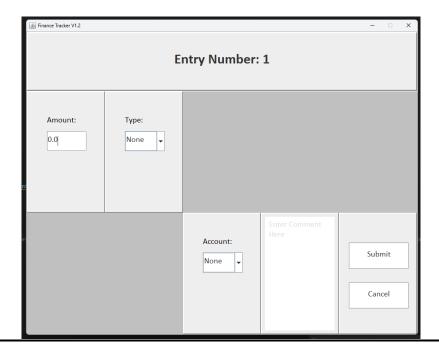
| Dabug man | Run | Dabug
| Dabug man | Run | Dabug
| Dabug man | Run | Dabug
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| Dabug man | Run |
| Dabug man | Run |
| Dabug man | Run |
```

		Curre	ent Status: PASS	Date: 03.28.25
ID: 2.3				
Rec	<b>. ID:</b> An	Entry	shall be able to be found by entryNumber.	
St	Opera	ator	Expected Results	Comments
е	Acti	on		
р				
#				124 /STEET MATH 8/
	In Ent		Program should print the new entry instance in the	Run main   Debug main   Run   Debug  125 public static void main(String[]  126 Entries entries - new Entrie
	Cla		format:	127 try {   128 Entry e = new Entry(entryNum   129 e.setAmount(amount:100.0);
	/*TE		id,dollarAmount,type,category,subcategory,subcategor	130 e.setCategory(category:1); 131 e.setSubcategory(subcategory 132 e.setSubcategory2(subcategory
	MAII	•	y2,subcategory3,subcategory4,accout,comment	e.setSubcategory3(subcategor e.setSubcategory4(subcategor
	instan	tiate		e.setAccount(account:1); 136 e.setComment(comment:"This 3 entries.addEntry(e);
	a ne			138 139 140 Gatch (InvalidEntryExcepti
	Entr	ies		141 142   for(Entry e : entries.entrie 143   {
1	obje			144   System.out.println(e.get 145   } 146
_	Instan	tiate		
	a ne	ew.		
	Ent	•		
	object	t: e1		
	and se			
	data.	Add		
	e1 t	to		
	entri	es.		(1977)
	Use		Program should return the entry and print it.	125   Pull   7   125   Pull   7   125   Pull   7   125   Pull   126   Pull   126
	getEnt			128 Entry e = new Entry(entrynumber:1); 129 e.setAmount(amount:100.0); 138 e.setCategory(category:1);
	NmEr	•		e.setSubcategory(subcategory2:1); e.setSubcategory2(subcategory2:1); e.setSubcategory3(subcategory3:1); 134 e.setSubcategory4(subcategory4:1);
2	funct	_		e.setAccount(account:1); 136 e.setComent(coment:This is a comment 137 entries.addEntry(e); 138
	wit	:h		139 140 [catch (InvalidEntryException e) (Syst 141 142 Entry find = entries.getEntryByWamEntry()
	param	eter		142 Entry find = entries.getEntry(s)MmEntry() 143 if(find I= null){System.out.println("Em
	1.			
Screenshots:				

Test Case ID: 3.1 Current Status: PASS Date: 03.28.25

**Req. ID:** 3.1 The program shall only display selection menus for dollarAmount, type, account, an area for a comment, and the submit or cancel buttons if instantiated with a null entry.

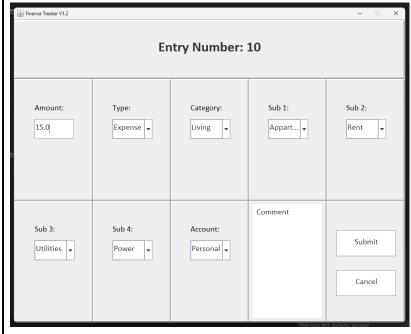




Test Case ID: 3.2 Current Status: Pass Date: 03.28.25

**Req. ID:** 3.2 The program shall load the Entry data if instantiated and display all the previously selected and entered values for the user to change.

Step#	Operator Action	Expected Results	Comments
	Run the main method of FinanceTracker.	The Main Menu Should Display.	© (tree hase 10
1			New Entry Edit Entry Delete Entry
_			View Current View Past
			New Moreth Clear Moreth
	Select Edit Entry.	A new instance of Entry Frame should be	<pre>mail: weid Orditionty() (     yytem.out.printle()"fdit Enty");     bity on - mail;     try(on - mar intry(crymaber182); as.stAmount(smoott.15.0);     on.extpre(ymm2); marketsprey(classory(1); )</pre>
2		created with a	to a service (spin and a service (spin and a service))  en setSolar tegory (shidor tegory (1))
		fabricated entry passed	<pre>n.setAccount(eccount:n); en.setAccount(eccount:n); en.setComent(coment'); en.setComent(coment); en.setComent(coment);</pre>
		in the constructor.	)



Test Case ID: 3.3Current Status: pendingDate: 03.28.25

**Req. ID:** 3.3 The program shall add the Entry when the submit button is pressed only if the Entry contains valid information.

Step#	Operator Action	Expected Results	Comments
	Run the main method of FinanceTracker.	The Main Menu Should Display.	© New York 193
1			New Entry Edit Entry Delete Entry
			View Past  View Past  New Month  Clear Month
	Select New Entry.	A new instance of Entry Frame should be created with a null	//Itemat matches public void Community()  System.out.pstatic(clume intry'); intry = newlittinity.member _, new Gridlagout(comit),colisi), es, ibli.estries); inc. intry frame(littinity.member _, new Gridlagout(comit),colisi), es, ibli.estries); il fourshour?
2		entry passed in the constructor.	Entry Number: 1  Amount: 1
			Account: None - Submit
	Click Submit	An Error message should appear, invalid	Entry Number: 3
3		amount.	Amount:    Do   More
			Account:   None   -
	Enter Amount > 0 and click Submit.	An Error message should appear, invalid	© Super Value 17.2 - D 3/2 Entry Number: 3
4		type.	Amount:  Type:  Rose   Common   Monte    Monte   Monte   Monte    Monte    Monte    Mo
			Account:   None   Submit

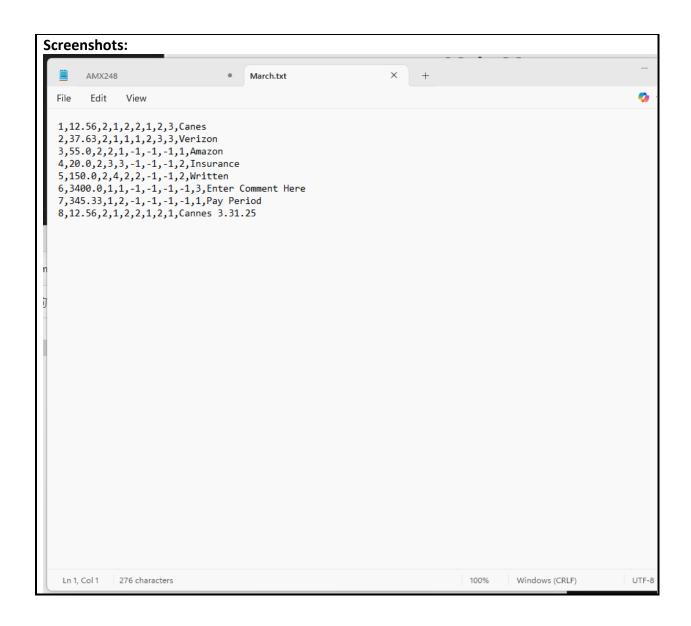
Select category personal and click submit.  An Error message should appear, no account selected.  Select Account personal and click submit.  The frame should close and return to the main menu.  Screenshots:	5	Select type expense and click submit.	An Error message should appear, invalid category.	Entry Number: 3  Entry Number: 3  Annount:
and click submit.  and return to the main menu.	6		should appear, no	Amount:  Type: Category: Sub 1:  Expense - Purchase - Noore - Noore - Account:  Noore - Submit
r verbenenute.		and click submit.	and return to the main	

**Req. ID:** 4.1 The program shall name a new file Month.txt and it should be located in the directory ./Files/YYYY/Month.txt where YYYY is the current numerical year, and Month is the current month's name.

		ere YYYY is the current numer	rical year, and Month is the
	month's name.		
Step#	Operator Action	Expected Results	Comments
1	In the FileManager class's /*TEST MAIN*/ create a new instance of FileManager.	A new instance shall be created.	FileManager fm = new FileManager();
2	Using the makeDir and makeFile functions create a directory and file with the required name and location.	A new Directory shall be created named after the numerical year and inside of it contains a text file named after the current month.	LOCATION: ./Files/YYYY/Month.txt Example: ./Files/2025.March.txt  202
Screens	nots:		
2025	× +		
$\leftarrow$ $\rightarrow$	↑ C 🖵 > ··· Programming	> Java > FinanceTrackerV2-Sprint-2 >	Files > 2025 Search 2025
+ New ×		General Digital Signatures Security Details Pre	
↑ Home ✓ Gallery	Name March	March March	
	—	Type of file: Text Document (.txt)	
Deskto	p *		Change
<u>↓</u> Downl		Location: mming \Java \Finance Tracker V2-Spr Size: 246 bytes (246 bytes)	int-2\Files\20\25
	ents 🖈	Size on disk: 0 bytes	
Picture		Created: Monday, March 31, 2025, 6:54:39 P	M
Music     Video	*	Modified: Monday, March 31, 2025, 6:57:37 P	
☑ Videos ☐ Comm	* unity *	Accessed: Today, March 31, 2025, 2 hours ago	
Comm	unity #	Attributes: Read-only Hidden	Advanced
= Java	eTracker\		
== Tests			
Progra	mming	OK (	Cancel Apply

1 item 1 item selected 246 bytes

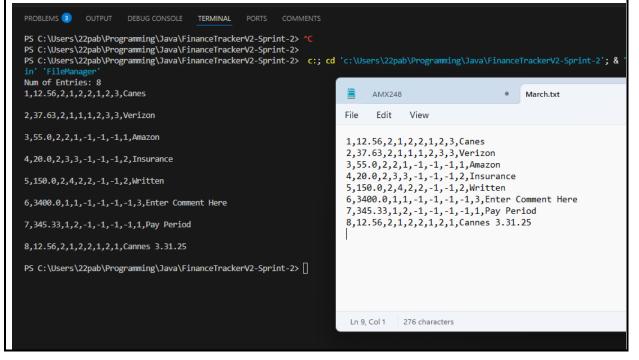
Test Cas	se ID: 4.2 Current Status	: PASS	Date: 03.31.25		
Req. ID:	Req. ID: 4.2 The program shall be able to print a series of entries onto the file.				
Step#	Operator Action	Expected Results	Comments		
1	Run the main funciton in FinanceTracker.java.	A new main menu frame should be visible.	Main Menu  New Entry  Edit Entry  Delete Entry  View Past  New Month  Clear Month		
2	Select New Entry.	A new empty entry Frame should be visible.	Entry Number: 8  Amount: Type: Number: Account: None - Substitute Comment Substitute Comm		
3	Fill out a new Entry with valid data and Click Submit.	A new Entry object should be created and added to the Entries ArrayList.	Valid data includes: amount > 0, type selected, category selected, a selection made for any subcategories that are visible, an account selected, a comment entered.  Entry Number: 8  Amount: Type: Category: Sub 1: Youd		
4	Using File Explorer or equivalent, navigate to ./Files/2025/March.txt	Any Entry objects stored in the Entries object ArrayList should be	The numbers represent the selected index from the respective		
		printed in a semi-encoded string inside the file.	JComboBox.		



#### 

**Req. ID:** 4.3 The program shall be able to read the entries in a file, parse them into Entry objects and return an Entries object with all the file Entry objects in it.

Step#	Operator Action	Expected Results	Comments
	In the FileManager /*TEST	A new instance of	
1	MAIN*/ function: Create a	FileManager shoud be	
	new instance of File	created.	
	Manager.		
	Create an new instance of	All the entries stored in	
	Entries and utilize the	the file should be read	
	readEntries function in	into the the Entries	
2	combination with the FILE	object.	
	PATH functions to read		
	from the file created int		
	the previous test case 4.2.		
	Create a new instance of	All the entries stored in	202 /* TEST MAIN */ Non   Debug  Mannau   Debug man 203 public static veid main(String∏ args)
	ArraList <entry> and</entry>	the file should be printed	
	initialize it with the value	onto the console.	System.out.prioring "Num of Entries: "+ fm.getNumberOffstries(fm.getFileFach(fm.month, fm.ye  Entries entries - fm.reaWatries(fm.getFileFath(fm.getCurrentNonth)), fm.getCurrentYear())
3	if the Entries object array		
3	list using the getEntries		135 System.out.println(est.get(1).getfotryString(1); 216 225 System.out.println();
	method. Iterate through		227
	the entries and print them		
	to the console.		



Test Case ID: 5.1	Current Status: PASS	Date: 03.31.25
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**Req. ID:** 5.1 The program can take a String read from a file and decode it into a textual representation.

Step#	Operator Action	Expected Results	Comments
1	Using the /*TEST MAIN*/ found in FileManager.java, create a new instance of Decoder.	New null instance of decoder is created.	
2	Inside the for loop: initialize the new Decoder with the string of the current entry being read.	The current entry being read from the file, will be passed into Decoder.	
3	Us the getDecoded Method to print out the decoded equivalent of the data.	The console should display the decoded user selected data from the entry.	Compared to the compared to the property of the compared to

```
PROBLEMS 3 OUTPUT
                       DEBUG CONSOLE TERMINAL
PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2> ^{\mbox{C}}
PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2>
PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2> c:; cd 'c:\Users\22pab
Num of Entries: 8
RAW ENTRY: 1,12.56,2,1,2,2,1,2,3,Canes
Decoded Data: Expense Living Food Food Out Eat Out Restaurant
RAW ENTRY: 2,37.63,2,1,1,1,2,3,3,Verizon
Decoded Data: Expense Living Appartment Rent Utilities Cell
RAW ENTRY: 3,55.0,2,2,1,-1,-1,-1,1,Amazon
Decoded Data: Expense Purchase Personal
RAW ENTRY: 4,20.0,2,3,3,-1,-1,-1,2,Insurance
Decoded Data: Expense Flight Fun
RAW ENTRY: 5,150.0,2,4,2,2,-1,-1,2,Written
Decoded Data: Expense School Flight Training Exam
RAW ENTRY: 6,3400.0,1,1,-1,-1,-1,3,Enter Comment Here
Decoded Data: Income Mother
RAW ENTRY: 7,345.33,1,2,-1,-1,-1,1,Pay Period
Decoded Data: Income Pay Stub
RAW ENTRY: 8,12.56,2,1,2,2,1,2,1,Cannes 3.31.25
Decoded Data: Expense Living Food Food Out Eat Out Restaurant
PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2>
```

Test Case ID: 5.2	<b>Current Status: PASS</b>	Date: 03.31.25			
Req. ID: 5.2 The program will determine what account was charged and represent it in a text					
version.					

Step#	Operator Action	<b>Expected Results</b>	Comments
	Using the /*TEST MAIN*/	New null instance of	
	found in	decoder is created.	
1	FileManager.java, create		
	a new instance of		
	Decoder.		
	Inside the for loop:	The current entry	
	initialize the new	being read from the	
2	Decoder with the string	file, will be passed into	
	of the current entry	Decoder.	
	being read.		
	Use the decodeAccount	The console should	7   TEST SEAT   7   7   7   7   7   7   7   7   7
	method in the while loop	print what account the	December d;  ST  System.out.println('Am of Intrins: '* fm.getNamberOfforries(fm.getS)leFath(fm.month, fm.ymar)));  SS  System.out.println();
3	to print out what account	entries were charged	201   Estrics intrins = fo.resdintries(fo.pet1)=Fath(fo.petCurrentWorth(), fo.getCurrentWort()));
	the entry was charged to.	to.	System.com, printle("Size BEED" "sent.get(1).getEntryNetleg());   E = nin Becoler(nit.get(1).getEntryNetleg());   S = nin Becoler(nit.get(1).getEntryNetleg());   System.com, printle (in (System) = 1.4 dependence() = "senset.");   System.com, printle (in (System) = 1.4 dependence() = "senset.");   System.com, printle (in (System) = 1.4 dependence() = "senset.");
Coroono	L - 1 -		288 System-only principle ();  System-only principle ();

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENT:

Charged to: Mother Account.

RAW ENTRY: 2,37.63,2,1,1,1,2,3,3,Verizon

Decoded Data: Expense Living Appartment Rent Utilities Cell

Charged to: Mother Account.

RAW ENTRY: 3,55.0,2,2,1,-1,-1,-1,1,Amazon Decoded Data: Expense Purchase Personal

Charged to: Personal Account.

RAW ENTRY: 4,20.0,2,3,3,-1,-1,-1,2,Insurance

Decoded Data: Expense Flight Fun Charged to: Flight Account.

RAW ENTRY: 5,150.0,2,4,2,2,-1,-1,2,Written

Decoded Data: Expense School Flight Training Exam

Charged to: Flight Account.

RAW ENTRY: 6,3400.0,1,1,-1,-1,-1,3,Enter Comment Here

Decoded Data: Income Mother Charged to: Mother Account.

RAW ENTRY: 7,345.33,1,2,-1,-1,-1,1,Pay Period

Decoded Data: Income Pay Stub Charged to: Personal Account.

RAW ENTRY: 8,12.56,2,1,2,2,1,2,1,Cannes 3.31.25

Decoded Data: Expense Living Food Food Out Eat Out Restaurant

Charged to: Personal Account.

PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2> [

Test Case ID: 5.3 Current Status: PASS Date: 03.31.25

**Req. ID:** 5.3 The program will only take the relevant information from an Entry.

Step#	Operator Action	Expected Results	Comments
1	Run the /* Test Main*/ funciton in FileManager.java	A series of entries should be printed to the console.	Charged to: Mother Account.  RAW BHIRY: 2,37.63,2,1,1,1,2,3,3,Verizon Decoded Data: Expense Living Appartment Rent Utilities Cell Charged to: Nother Account.  RAW BHIRY: 3,55.6,2,2,1,-1,-1,-1,1,4,Amazon Decoded Data: Expense Purchase Personal Charged to: Personal Account.  RAW BHIRY: 3,55.6,2,2,1,-1,-1,-1,1,2,Insurance Decoded Data: Expense Purchase Personal Charged to: Personal Account.  RAW BHIRY: 4,26,9,2,3,3,-1,-1,-1,2,Insurance Decoded Data: Expense School Flight Fun Charged to: Flight Account.  RAW BHIRY: 5,5406,0,2,4,2,2,-1,-1,2,Written Decoded Data: Expense School Flight Training Exam Charged to: Flight Account.  RAW BHIRY: 7,54508,0,2,1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-
2	Verify printed values are those that are relevant.	When the relevant information is printed, the data from Type to SubCat4 should be converted into text form if not a -1. If a -1 is encountered nothing should be printed for that value.	The format of a Raw Entry is as follows: Entry Number, Ammount, Type, Category, SubCat1, SubCat2, SubCat3, SubCat4, Account, Comment If a piece of data is not relevant, it should be marked by a -1.
Screens	hots:		1

Charged to: Mother Account.

RAW ENTRY: 2,37.63,2,1,1,1,2,3,3,Verizon
Decoded Data: Expense Living Appartment Rent Utilities Cell
Charged to: Mother Account.

RAW ENTRY: 3,55.0,2,2,1,-1,-1,-1,1,Amazon
Decoded Data: Expense Purchase Personal
Charged to: Personal Account.

RAW ENTRY: 4,20.0,2,3,3,-1,-1,-1,2,Insurance
Decoded Data: Expense Flight Fun
Charged to: Flight Account.

RAW ENTRY: 5,150.0,2,4,2,2,-1,-1,2,Written
Decoded Data: Expense School Flight Training Exam
Charged to: Flight Account.

RAW ENTRY: 6,3400.0,1,1,-1,-1,-1,-1,3,Enter Comment Here
Decoded Data: Income Mother
Charged to: Mother Account.

RAW ENTRY: 7,345.33,1,2,-1,-1,-1,-1,1,Pay Period
Decoded Data: Income Pay Stub
Charged to: Personal Account.

RAW ENTRY: 8,12.56,2,1,2,2,1,2,1,Cannes 3.31.25
Decoded Data: Expense Living Food Food Out Eat Out Restaurant
Charged to: Personal Account.

PS C:\Users\22pab\Programming\Java\FinanceTrackerV2-Sprint-2> []

Test Case ID: 5.3		Current Status: PENDING		Date: 03.31.25
Req. ID:		1		
Step#	Operator Action		Expected Results	Comments
1				
2				Any Printed
N				
Screensho	ots:			

[Shall be completed for user stories actively worked, and completed, in the current sprint.]

### REFERENCES:

Oracle. (n.d.). *Trail: Creating a GUI with swing*. Trail: Creating a GUI With Swing (The JavaTM Tutorials). https://docs.oracle.com/javase/tutorial/uiswing/index.html

# **APPENDICES:**