RVMASTERLOG.EXE
SOFTWARE DESIGN SPEC

1.0.0

7 Apr 2017

General Requirements

1. Within this document, the following terms shall be used to mean:

2. The term "program" shall refer to the RVTotalLog.EXE program described in this document.

3. The program shall use a standard windows interface (GUI).

4. The program shall provide a detailed Help file.

5. The program shall provide Context Sensitive Help.

6. The program shall provide the capability to Read, Save and Edit all data tables.

7. The program shall maintain all program configuration data in a standard Windows .INI file.

8. The program shall automatically load configuration data on startup;

9. The program shall automatically save configuration data on shutdown;

10. The program shall provide the capability to print formatted reports.

11. The program shall make maximum use of "Hot Keys";

12. The program shall provide the capability for User Registration with Nag screen;

APPLICATION TABLES

AppSettings TABLE

Primary Key: PropertyName

Foreign Keys: N/A

Field	Name	Type	Length	Format	Description
1	SetupFileName	String	255	ValidFileName	
2	RVMPath	String	255	ValidPathName	
3	RVMDataPath	String	255	ValidPathName	
4	RVMLogsPath	String	255	ValidPathName	

RV TABLE

Primary Key: RV Name

Foreign Keys: RV Type

Field	Name	Type	Length	Format	Description
1	RVID	String	3	001...999 Requires leading zeros	[User Definable, Mandatory]
2	RV Name	String	30	[A..Z, a..z, 0..9, <Sp>]	[User Definable, Mandatory]
3	RV Type	String	2	01-99	FK in the RV Type table [Mandatory]
4	RV Model	String	30	[A..Z, a..z, 0..9, <Sp>]	[User Definable, Mandatory]
5	Date of Purchase	String	11	[dd<sp>Mmm<yyyy>]	[User Definable, Mandatory]
6	Purchase Price	String	10	[999,999.99]	[User Definable, Optional]
7	Manufacturer	String	30	[A..Z, a..z, 0..9, <Sp>]	FK in the Manufacturer table [Mandatory]
8	Dealer	String	30	[A..Z, a..z, 0..9, <Sp>]	FK in the Manufacturer table [Mandatory]
5	Features	String	99	01-99	FK in the Featurers table [Mandatory]

DEFAULT RV TYPE TABLE

The Default RV Type table contains a list of all RV types available to the user. The user makes a copy of this table for each Log created, and can add, edit and Activate/Deactivate entries 11 to 28. The default table contains 11 default entries that must remain active.

The first ten (1..10) default to [Travel Trailer, Fifth Wheel, Class A Motorhome, Class B Motorhome, Class C Motorhome, Toy Hauler, Truck Camper, Bus Conversion, Tent Trailer, Tent] and 29 defaults to [Other].

Entries 11..98 are user definable.

Primary Key: Field: **ID**

Field	Name	Type	Length	Format	Description
1	ID	String	2	Max 29 Requires leading zero	RV Type ID 01..29 Entries 01=10, 99 Default Mandatory Entry 99 Default "Other" Mandatory Entries 11-98 User Defineable Optional
2	Active	String	1	[Y,N]	Active RV Type [Y,N]. Man to 10 and 29 are mandatory [Y] and cannot be changed.
3	Name	String	30	[A..Z, a..z, 0..9, <Dash>, <Sp>] Min 4, Max 30	Entries 01RV Type Name Entries 01=10, 29 Default Mandatory Entry 99 Default "Other" Mandatory Entries 12-28 User Defineable Mandatory

VEHICLE TABLE

Primary Key: Vehicle Name

Foreign Keys: Vehicle Type

Field	Name	Type	Length	Format	Description
1	Vehicle Name	String	30	[A..Z, a..z, 0..9, <Sp>]	User defined Name describing this Vehicle
2	Vehicle Type	FK			RV Type as defined in the Vehicle Type table

DEFAULT VEHICLE TYPE TABLE

The Default Vehicle Type table contains a list of all Vehicle types used by the user. The user makes a copy of ths table for each Log created, and can define and add, edit or delete any entries before saving it. Although entries can be deleted, entry 20 [Other] must always remain..The default table contains ten 11 default entries.

The first ten (1..10) default to [Travel Trailer, Fifth Wheel, Class A Motorhome, Class B Motorhome, Class C Motorhome, Toy Hauler, Truck Camper, Bus Conversion, Tent Trailer, Tent]

Entries 1..19 are user definable.

The last entry in the table (20) is mandatory and is named [Other].

Primary Key: Field: **ID**

Field	Name	Type	Length	Format	Description
1	ID	String	2	25 Requires leading zero Min 10, Max 99	Vehicle Type ID 01..25 01=10 Default 01-24 User Defineable Entry 25 mandatory
2	Name	String	30	[A..Z, a..z, 0..9, <Sp>]	Vehicle Type Name 01= 24 Optional 25 Mandatory = Other