## Appendix – UML Diagram

<li></li> <li>GinitialStarter</li> <li>(defeuil pealeage)</li>	< <java class="">&gt;  @GUI2 (default package)</java>		< <java class="">&gt;</java>				
(default package)  • frame: JFrame	oSMEMFILE: String		(deladit package)			< <java class="">&gt;</java>	
• memFileNameT: JTextField	SPROFILE: String		<sup>©</sup> LOFO_FIELDS: int			@LostFound	
proFilenameT: JTextField	SLOFOFILE: String		MEMBERSHIP_FIELDS: int			(default package)	
<ul> <li>lofoFileNameT: JTextField</li> <li>avWheelsT: JTextField</li> </ul>	SWHEELCHAIR_NUMBER: int		VINUMBER OF LINES PER LOFO: int VINUMBER OF LINES PER MEM: int		scal: Cale		
avStrollsT: JTextField	% LEVEL: String∏		§ NUMBER OF LINES PER PRO: int		DECEM		
o <sup>s</sup> ifFileExit(String):boolean	SFMEMTITLE: String[]		√PROGRAM_FIELDS: int			AY_THIRTY; int AY_THIRTY_ONE; int	
	PROTITLE: String[]		¥RENTING_FIELDS: int ¥STROLLER: String			AY_TWENTY_EIGHT: int	
of InitialStarter()	§ RENTITLE: String[]  § LOFOTITLE: String[]		% WHEELCHAIR: String		o day: int		
■ initialize():void	frame: JFrame		scal: Calendar  scaling Calendar  scaling Calendar  scaling Calendar  scaling Calendar		month: ir year: int	T.	
	• exitB: JButton		savStrolls: int sawWheels: int			ion: String	
	table: JTable     table_1: JTable		ofindMinDate(int[],int):int	-	firstNam		
	table_3: JTable		searchMemByAdress(ArrayList <membership>,String):ArrayList<membership></membership></membership>		<ul><li>lastNam</li><li>phone: ii</li></ul>		
	• mainMenuP: JPanel		searchMemByLName(ArrayList <membership>,String):ArrayList<membership></membership></membership>		o location:		
	memB: JButton     proB: JButton		©Centre(String,String,int,int)		o lost: boo		
	= renB: JButton		<ul> <li>addFileLofo(String,String,String,String,boolean,boolean,int,int,int,int):void</li> <li>addFileMembership(String,String,int,int,String,String,int,int,int):void</li> </ul>		found: be days: int		
	□ lofoB: JButton		addLofo(String,String,String,boolean,boolean,int):void			nd(int,int,int,String,String,String,String,t	ocoloan booloan int)
	<ul><li>daiB: JButton</li><li>memListP: JPanel</li></ul>		<ul> <li>addMembership(String,String,int,String,String):void</li> </ul>		• getDate		ooolear, boolear, irit)
	proListP: JPanel		addProgram(int,int,String,int,String,String,int):void     addRenter(String,String,int,String):void		getDay()	cint	
	<ul><li>renListP: JPanel</li></ul>		deleteLofo(LostFound):void		getDays	():int rip():String	
	lofoListP: JPanel     daiListP: JPanel		deleteMembership(Membership):void			Name():String	
	btnAdd: JButton		delete Renting (Renting, String):void     diaplayDelMem():Object[][]		<ul><li>getlastN</li></ul>	ame():String	
	btnDelete: JButton			ofos	<ul><li>getLoc()</li><li>getMont</li></ul>	:String	
	btnSearch: JButton		<ul><li>diaplayLofo(ArrayList<lostfound>):Object[][]</lostfound></li></ul>	0/	• getPhon		
	<ul> <li>btnNewButton: JButton</li> <li>button_1: JButton</li> </ul>		diaplayMembership():Object[][     diaplayMembership(ArrayList <membership>):Object[][]</membership>		<ul><li>getWhol</li></ul>	eName():String	
	button_2: JButton		diaplayNemhersinp(Arraycist     diaplayNewMem():Object[][]		o getYear(		
	button_3: JButton		diaplayPrograms():Object[][]		<ul><li>isFound</li><li>isLost():</li></ul>		
	<ul><li>button_5: JButton</li><li>button_6: JButton</li></ul>		<ul><li>diaplayPrograms(ArrayList<program>):Object[][]</program></li><li>diaplayRenting():Object[][]</li></ul>		• isOver(in	nt,int,int):boolean	
	button_8: JButton		diaplayRenting(ArrayList <renting>):Object[[[]]</renting>		<ul><li>isPaired</li><li>strFound</li></ul>	():boolean	
	<ul> <li>button_9: JButton</li> <li>addMem: JPanel</li> </ul>		getAvStrolls():int		• strLost()		
	IblFirstName: JLabel		getAWheel():int     getLofolndex(int):LostFound				
	• IblLastName: JLabel		getMemIndex(int):Membership				
	IblAdress: JLabel     IblMembershipLevel: JLabel		<ul><li>getMemList():ArrayList<membership></membership></li><li>getProList():ArrayList<program></program></li></ul>			< <java class="">&gt;</java>	
	- label: JLabel		getRenIndex(int):Renting			<b>⊕</b> Renting	
	IblPhoneNumber: JLabel		isFileValid(String):boolean			(default package)	
	<ul> <li>IblAddMembership: JLabel</li> <li>fMemNameT: JTextField</li> </ul>		readLofoFile(String):void     readMemFile(String):void		-rentings	firstName: String     lastName: String	
	• IMemNameT: JTextField		readProFile(String):void		0*	□ type: String	
	<ul> <li>memPhoneT: JTextField</li> <li>memAdrT: JTextField</li> </ul>		refreshLofo():void			phone: int	
	memTable: JScrollPane		<ul> <li>searchLofoByDate(int,int,int):ArrayList<lostfound></lostfound></li> <li>searchLofoByKey(String):ArrayList<lostfound></lostfound></li> </ul>			<ul><li>Renting(String,String,int,String)</li><li>getFirstName():String</li></ul>	
	btnRefreshTable: JButton		searchLofoByLoc(String):ArrayList <lostfound></lostfound>			getlastName():String	
	□ button_10: JButton □ button 11: JButton		searchLofoByName(String):ArrayList <lostfound></lostfound>			<ul><li>getPhone():int</li></ul>	
	□ button_12: JButton		<ul> <li>searchLofoByPhone(int):ArrayList<lostfound></lostfound></li> <li>searchmain(int,String,String,int,String):ArrayList<membership></membership></li> </ul>			<ul><li>getType():String</li><li>getWholeName():String</li></ul>	
	button_13: JButton		searchMemByFName(ArrayList <membership>,String):ArrayList<membership></membership></membership>			- get/HoleHamey.camg	
	lofoTable: JScrollPane     proTable: JScrollPane		<ul> <li>searchMemByld(int):ArrayList<membership></membership></li> <li>searchMemPhone(ArrayList<membership>,int):ArrayList<membership></membership></membership></li> </ul>				
	btnBack: JButton		<ul><li>searchProByGroup(int):ArrayList<program></program></li></ul>	/			
	searchMem: JPanel label 1: JLabel		searchProByLoc(String):ArrayList <program>     searchProByMome(String):ArrayList<program></program></program>	-progr		< <java class="">&gt;</java>	
	□ label_2: JLabel		<ul><li>searchProByName(String):ArrayList<program></program></li><li>searchProByPhone(int):ArrayList<program></program></li></ul>		0*	Program (default package)	
	□ label_3: JLabel		<ul><li>searchProByTime(int):ArrayList<program></program></li></ul>		o st	artTime: int	
	<ul><li>label_5: JLabel</li><li>label_6: JLabel</li></ul>		<ul><li>searchRenByName(String):ArrayList<renting></renting></li><li>searchRenByPhone(int):ArrayList<renting></renting></li></ul>		- e	ndTime: int	
	IblSearchMembership: JLabel		sortLofoByDate():void			cation: String roup: int	
	<ul> <li>textField: JTextField</li> <li>textField_1: JTextField</li> </ul>		sortLofoByDescrip():void		o fii	stName: String	
	• textField_2: JTextField		sortLofoByLoc():void     sortLofoByName():void			stName: String	
	textField_3: JTextField		sortLofoByPhone():void			hone: int rogram(int.int.String.int.String.String.int	<u> </u>
	<ul> <li>button_15: JButton</li> <li>lblld: JLabel</li> </ul>		sortLofoByType():void     sortMomRyAdress():void			isplayTimePeriod():String	1
	□ idT; JTextField		sortMemByAdress():void     sortMemByHolder():void			etEndTime():int	
	addRen: JPanel		sortMemByld():void			etFirstName():String etGroupSize():int	
	addLofo: JPanel     label 4: JLabel		sortMemByPhone():void     sortProByGroup():void		⊕ g	etLastName():String	
	□ label_7: JLabel		sortProByName():void		● g	etLocation():String	
	□ lblType: JLabel		sortProByPhone():void			etPhone():int etStartTime():int	
	<ul><li>label_12: JLabel</li><li>label_13: JLabel</li></ul>		sortProByTime():void     sortRenByItem():void			etWholeName():String	
	IblAddRenting: JLabel	-centre	sortRenByName():void		0.5		200
	<ul><li>textField_10: JTextField</li><li>textField_11: JTextField</li></ul>	01	sortRenByPhone():void				
	textField 12: JTextField	/	writedaiFile(String):void     writeLofoFile(String):void				
	button_17: JButton	/	writeMemFile(String):void				

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