© 1	AdminDashboardControl	ler
_	adminViewBooksController	AdminViewBooksController
f) A	admin View Members Controller	AdminViewMembersController
f) ii	rentBookRequestsController	RentBookRequestsControlle
f) ii	IoanedBooksController	LoanedBooksControlle
f) ii	root	AnchorPan
f a	titlePane	AnchorPan
f) ii	adminHomeTab	Tal
f) ii	adminViewBooks	AnchorPan
f) ii	adminViewMembers	AnchorPan
f) iii	adminCategoriesTab	Tal
f) ii	adminAccountTab	AnchorPan
f a	adminAddress	JFXTextField
f) ii	adminMobile	JFXTextField
f) ii	adminName	JFXTextField
f) ii	adminEmail	JFXTextField
f) iii	adminPassword	JFXPasswordField
f) iii	updateAdminBtn	JFXButto
f) iii	addBookBtn	JFXButto
f) ii	addAdminBtn	JFXButto
f) ii	addMemberBtn	JFXButto
f) ii	viewBooksBtn	JFXButto
f) iii	viewMembersBtn	JFXButto
f) iii	settingsBtn	JFXButto
f) ii	searchBookTxt	TextField
f) ii	searchMemberTxt	TextField
f) ii	searchBookBtn	JFXButto
f) ii	searchMemberBtn	JFXButto
f a	title	Labe
f) ii	author	Labe
f) ii	publisher	Labe
f) ii	category	Labe
f) ii	price	Labe
f) ii	editBookBtn	JFXButto
f a	removeBooKBtn	JFXButto
m 🚡	initialize(URL, ResourceBundle)	voi
m o	logout()	voi
m 🦫	searchBook()	voi
m 🦫	searchMember()	voi
m 🔒	addAdmin()	voi
m a	addMember()	voi
m 🔒	addBook()	voi
m a	viewMembers()	voi
m 🔒	viewBooks()	voi
m 🔒	settings()	voi
m o	loadWindow(String, String)	voi
m o	loadWindowDecorated(String,	String) void
m o	closeWindow(AnchorPane)	voi

C 1	SignUpController		
f ≘	signUp_pane	Ancho	orPane
€ ±	first_name	Tex	ctField
€ a	last_name	Tex	ctField
€ a	first_name_lbl		Label
♠ ⊕	last_name_lbl		Label
f û	address	Tex	ctField
€ a	address_lbl		Label
€ a	mobile	Tex	ctField
€ a	mobile_lbl		Label
f) à	email	Tex	ctField
€ a	email_lbl		Label
f a	password	Passwor	dField
€ a	password_lbl		Label
€ a	confirm_password	Passwor	dField
€ a	confirm_password_lbl		Label
f a	signUpBtn		Button
f û	gotoLoginBtn		Button
100	emailPattern		String
¥ 0	regex		String
f o	m	M	ember
m 🚡	initialize(URL, ResourceBundle)		void
m 🖢	enterPressedTextField(TextField, TextField, Lab	el)	void
m 🚡	enter Pressed Text Field (Text Field, Password Field)	d, Label)	void
m 🚡	enterPressedFirstName()		void
m 🚡	enterPressedLastName()		void
m 🚡	enterPressedAddress()		void
m 🖢	enterPressedMobile()		void
m 🚡	enterPressedEmail()		void
m 🚡	enterPressedPassword()		void
m 🚡	enterPressedConfirmPassword()		void
m 1	signUp()		void
m •	goToLogin()		void
m •	loadWindow(String, String, Boolean)		void
m •	closeWindow(AnchorPane)		void

C	4	DashboardController		
f	ç	viewBooksController	ViewBooks	Controlle
f	ç	viewMembersController	ViewMembers	Controlle
f	ç	view Rented Books Controller	ViewRentedBooks	Controlle
f		border_pane	В	orderPane
f		titlePane	A	nchorPane
f	4	home_root_pane	A	nchorPane
f		home_pane	A	nchorPane
f		logoutBtn		JFXButtor
f		tabPane		TabPane
f	4	homeTab		Tab
f		viewBooks	A	nchorPane
f	4	viewMembers	A	nchorPane
f		searchBookTxt		TextField
f		searchBookBtn		JFXButtor
f		searchMemberTxt		TextField
f	4	searchMemberBtn		JFXButtor
f	4	viewBooksBtn		JFXButtor
f	4	view_members_btn		JFXButtor
f	0	member		Membe
m	0	logout()		voic
m	0	rent()		voic
m	-	searchBook()		voic
m	-	searchMember()		voic
m	-	viewMembers()		voic
m		viewBooks()		voic
m	-	settings()		voic
m	0	loadWindow(String, String, B	oolean)	voic
m	0	loadWindowDecorated(String	g, String, Boolean)	voic
				voic
m	0	closeWindow(BorderPane)		VOIC

C 🚡	LoginController	
f a	login_pane	AnchorPane
f a	email	TextField
f ≜	email_lbl	Label
f a	password	PasswordField
f) a	password_lbl	Label
f) A	loginBtn	Button
f) ii	gotoSignUpBtn	Button
€	userType	String
f o	connectNow Da	tabaseConnection
f o	connectDB	Connection
m 🖢	initialize(URL, ResourceBundle)	void
m 🚡	enterPressedTextField(TextField, Password	Field, Label) void
m 🚡	enterPressedEmail()	void
m 🖢	enterPressedPassword()	void
m 🖢	login()	void
m 🖢	validateLogin()	void
m ·	goToSignUp()	void
m •	loadWindow(String, String, Boolean)	void
m •	closeWindow(AnchorPane)	void

© 1	`madminSettingsController		
f a	settingsPane	Ancho	Pane
€ a	adminsTable	Table	View
€ a	close_btn	JFXB	utton
€ a	idCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
(f) iii	firstNameCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
(f) iii	lastNameCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
(f) iii	addressCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
€ a	mobileCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
€ a	emailCol	TableColumn <admin, str<="" th=""><th>ing></th></admin,>	ing>
(f) iii	removeCol Tal	oleColumn <admin, jfxbut<="" th=""><th>ton></th></admin,>	ton>
(f) iii	blockCol Tal	oleColumn <admin, jfxbut<="" th=""><th>ton></th></admin,>	ton>
f o	list	ObservableList < Ad	min>
m 1	initialize(URL, R	esourceBundle)	void
m a	initCol()		void
m 1	loadData()		void
m 1	refresh()		void
m ?	close()		void

