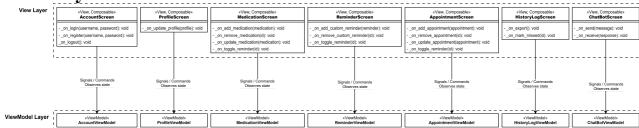
View Layer



ViewModel Layer

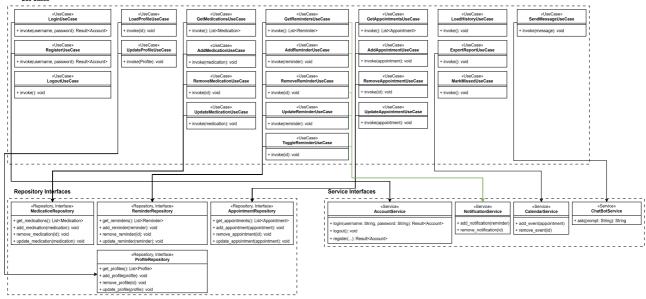
ViewModel Layer												_
ViewModel AccountViewModel	«ViewModel» ProfileViewModel		«ViewModel» MedicationViewModel]	«ViewModel» ReminderViewModel		*ViewModel* AppointmentViewModel		«ViewModel» HistoryLogViewModel		«ViewModel» ChatBotViewModel	
- username: String - password: String	- profile: Profile		- medications: List <medication> - medication input: MedicationForm</medication>		- reminders: List <reminder></reminder>		- appointments: List <appointment></appointment>	۱,,	- timeline: List <historyitem></historyitem>		+ chat_history: List <chatmessage></chatmessage>	ł
- auth_state: AuthState	+ load_profile(id): void + update_profile(Profile): void	п	+ load_medications(): void	1	+ load_reminders(): void + add_custom_reminder(reminder): void	П	+ load_appointments(): void + add_appointment(appointment): void	Ш	+ load_history() + export_report(format): void		+ send_message(message); void + receive_response(); void	H
+ login(credentials): void + register(credentials): void		Ш	+ add_medication(medication_form); void + remove medication(id); void		+ remove_custom_reminder(id): void + toggle_reminder(id, enable): void		+ remove_appointment(id: int): void + update_appointment(appointment): void	Ш	+ mark_missed_dose(id)			1
+ logout(): void		Ш	+ update_medication(medication); void		- toggio_toristraci(a, crissic). You	'	+ toggle_reminder(id, enable): void	Ш				i
«Uses» «U	I ses> T =	ĮĮ.	+ toggle_reminder(id, enable): void	١.		-		4		_		j
Domain Laver		«Use	«Uses»	«Us	98»	_		IJ		«Us	ses»	
«UseCase»	«UseCase»	H	«UseCase»	:	«UseCase»	,†ŀ	«UseCase»	«Use	«UseCase»	-	«UseCase»	<u>-</u> :
LoginUseCase	LoadProfileUseCase	🕆	GetMedicationsUseCase] 7	ToggleReminderUseCase] 🕆	GetAppointmentsUseCase		LoadHistoryUseCase	ļ '	SendMessageUseCase	J;
«UseCase» RegisterUseCase	«UseCase» UpdateProfileUseCase	╽	«UseCase» AddMedicationUseCase]	«UseCase» GetRemindersUseCase] }	«UseCase» AddAppointmentsUseCase		«UseCase» ExportReportUseCase			i
«UseCase» LogoutUseCase		•	«UseCase» RemoveMedicationUseCase]	«UseCase» AddReminderUseCase]	«UseCase» RemoveAppointmentsUseCase	,	«UseCase» MarkMissedDoseUseCase			i
		ļ	«UseCase» UpdateMedicationUseCase]	«UseCase» RemoveReminderUseCase] ,	«UseCase» UpdateAppointmentsUseCase					1
				ļ	«UseCase» UpdateReminderUseCase							1

Domain Layer

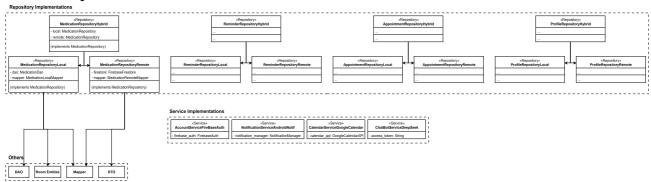
Entitio

Entity	«Entity»	*Entity*	*Entity*	*Entity*	*Entity*
Account	Profile	Medication	Appointment	Reminder	ChatMessage
+ ld: int + username: String + password: String + account_type: AccountType	+ id: int + email: String + full_name: String + birthday: Date + height: float + weight: float + age: int	+ id: int + name: String + dosage: String + frequency: Frequency	+ lid: int + doctor: String + location: String + suggestions: String + time: DateTime	+ id: int + medication_id: int + appointment_id: int + enabled: bool + start_time: DateTime + end_time: DateTime + repeat_interval: interval	+ sender: SenderType + text: String + time: Time

Hee Case



Data Layer



External Services

External services

General class diagram for Medipal

Note: Some classes have been omitted to save space. Please refer to the class diagrams above for full context.

