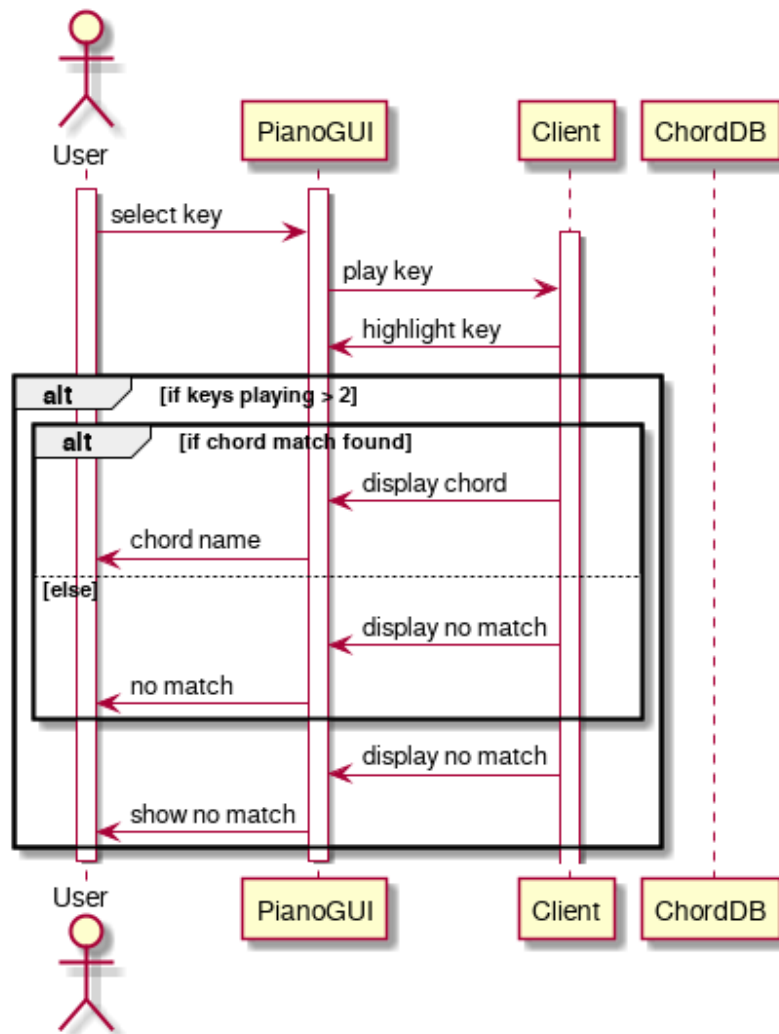


Sequence Diagram Documents

Find Chord

Analysis Diagram

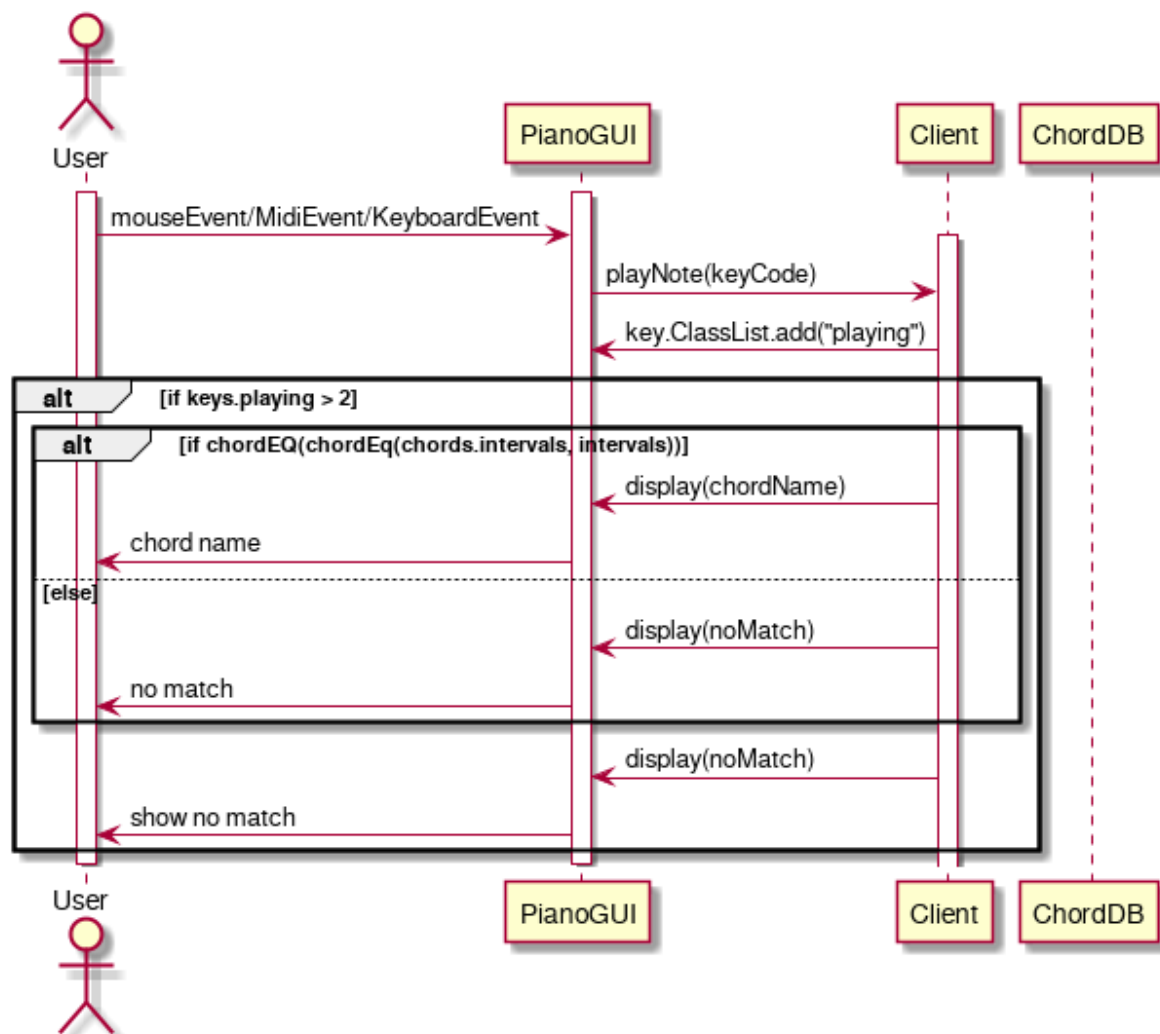


Description

#	Subject	Subject Action	Parameters	Object acted upon
1	User	select	key	PianoGUI
2	PianoGUI	play	key	Client
2.1	Client	highlight	pianoKey	PianoGUI
3	If > 2 playing notes			
3.2	If Chord Match found			
3.2.2	Client	display	chord	PianoGUI
3.2.3	PianoGUI	show	chord	User

#	Subject	Subject Action	Parameters	Object acted upon
3.2	else			
3.2.1	Client	display	no match	PianoGUI
3.2.2	PianoGUI	show	no match	User
3	else			
3.1	Client	display	no match	PianoGUI
3.2	PianoGUI	show	no match	User

Design Diagram



[Sign in with Google](#)

Analysis Diagram

Description

#	Subject	Subject Action	Parameters	Object acted upon
---	---------	----------------	------------	-------------------

#	Subject	Subject Action	Parameters	Object acted upon
1	User	select	Sign-in	GUI
1.1	GUI	sign-in	Google	Client
2	Client	redirect to	Google sign in	GoogleSSO
2.1	User	Sign-in	Google account	GoogleSSO
4.	GoogleSSO	pass	token	Client
4.1	Client	verify	token	Backend
4.2	If token is valid			
4.2.1	Backend	pass	user-data	Client
4.2.2	Client	message	login success	GUI
4.2.3	GUI	alert	logged in!	User
4.2	else			
4.2.1	Backend	pass	user-data	Client
4.2.2	Client	message	login failure	GUI
4.2.3	GUI	alert	login failed	User

Design Diagram