

Sequence Diagram Documents

Find Chord

Analysis Diagram

 Chord recognition Analysis Sequence model

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
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

 Chord recognition Analysis Sequence model

Sign in with Google

Analysis Diagram

Description

#	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

#	Subject	Subject Action	Parameters	Object acted upon
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