Class: Database.java
Method: createDiscordDatabaseIfNotFound()

CFG

Method createDiscordDatabaseIfNotFound()
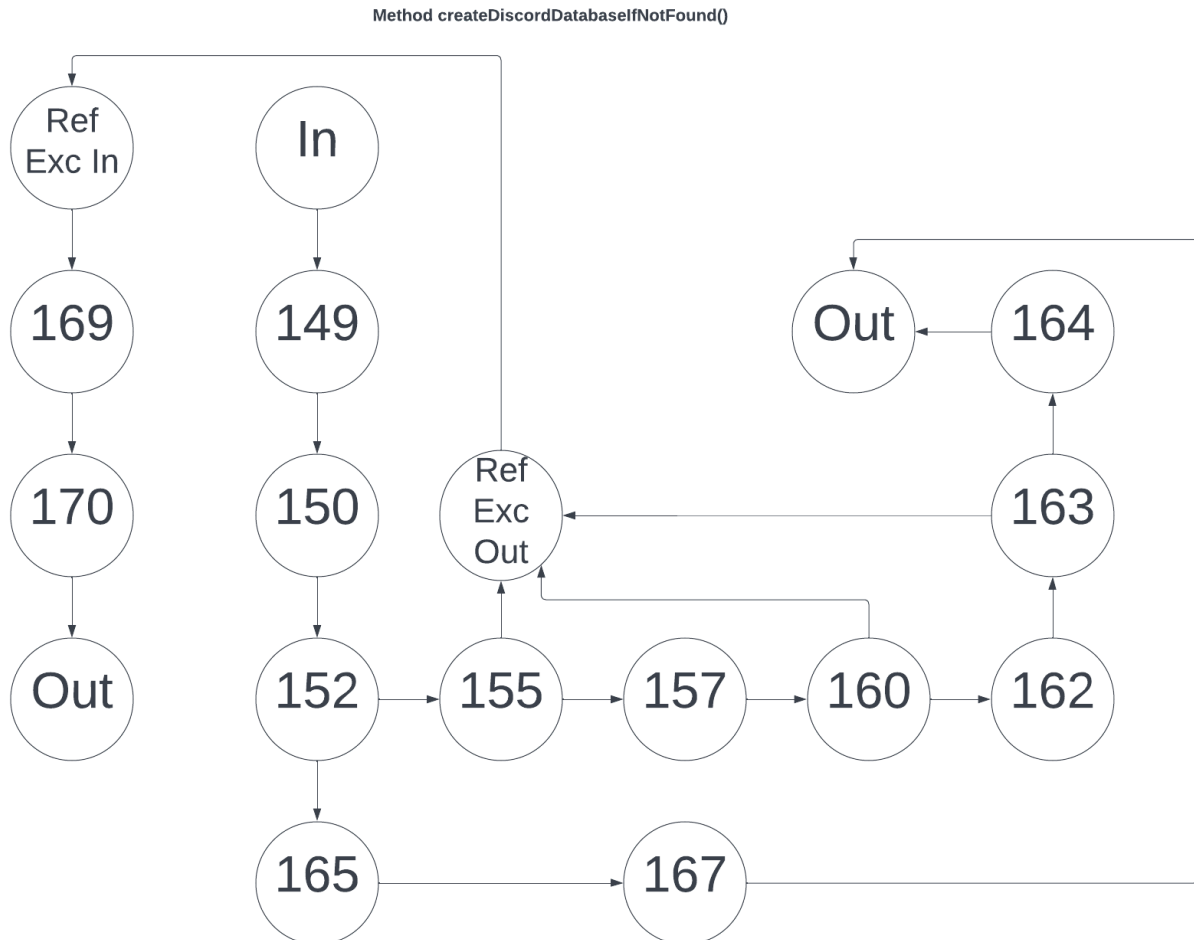
Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. exists	1.1 True boolean	true
	1.2 False boolean	false
	1.a Not a boolean	123
2. stmt	2.1 A valid statement obj	new stmt
	2.2 A null statement obj	null
	2.a Not a statement	123
3. sql	3.1 A valid string	"asdf"
	3.2 An empty string	""
	3.a Not a string	123
4. servername	3.1 A valid string	"name"
	3.2 An empty string	""
	3.a Not a string	123

Derived Test Cases

Test Case ID	exists	stmt	sql	servername	Exp. Result
TC#1	false	new stmt	"asdf"	"name"	Creates a database
TC#2	true	new stmt	"asdf"	"name"	Does not create a database, displays it already exists
TC#3	123	new stmt	"asdf"	"name"	Compiler error, expected boolean received int
TC#4	false	null	"asdf"	"name"	Creates a database
TC#5	false	123	"asdf"	"name"	Compiler error, expected obj received int
TC#6	false	new stmt	""	"name"	Creates a database
TC#7	false	new stmt	123	"name"	Compiler error, expected string received int
TC#8	false	new stmt	"asdf"	""	Creates a database
TC#9	false	new stmt	"asdf"	123	Compiler error, expected string received int

Method: doesDatabaseExist()

CFG

Method doesDatabaseExist()
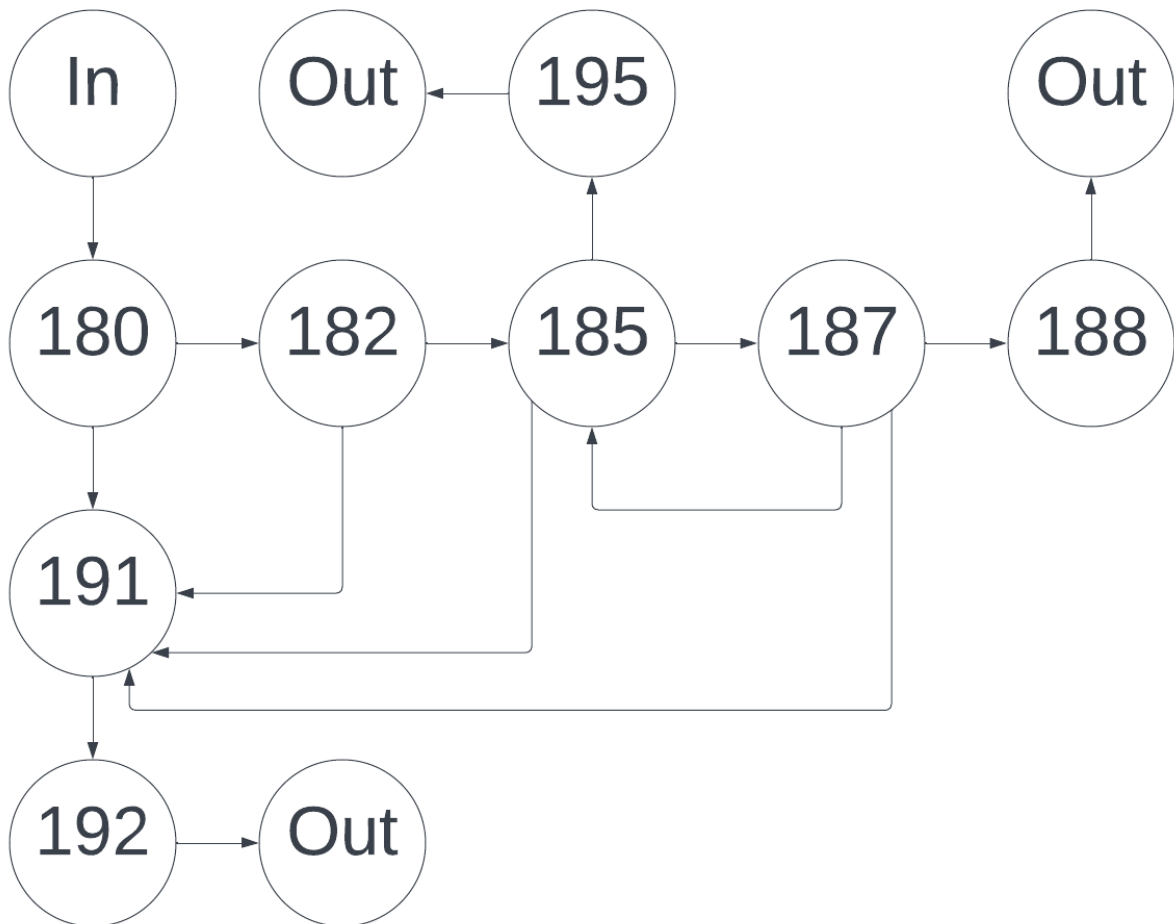
Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. resultSet	1.1 A valid obj	new resultSet
	1.2 A null obj	null
	1.a Not a obj	123
2. serverName	2.1 A valid string	"name"
	2.2 An empty string	""
	2.a Not a string	123

Derived Test Cases

Test Case ID	resultSet	serverName	Exp. Result
TC#10	new resultset	"name"	Returns true
TC#11	null	"name"	Returns false
TC#12	123	"name"	Compiler error, expected obj received int
TC#13	new resultset	""	Returns false
TC#14	new resultset	123	Compiler error, expected obj received int

Method: removeSkinTone()

CFG

Method removeSkinTone()
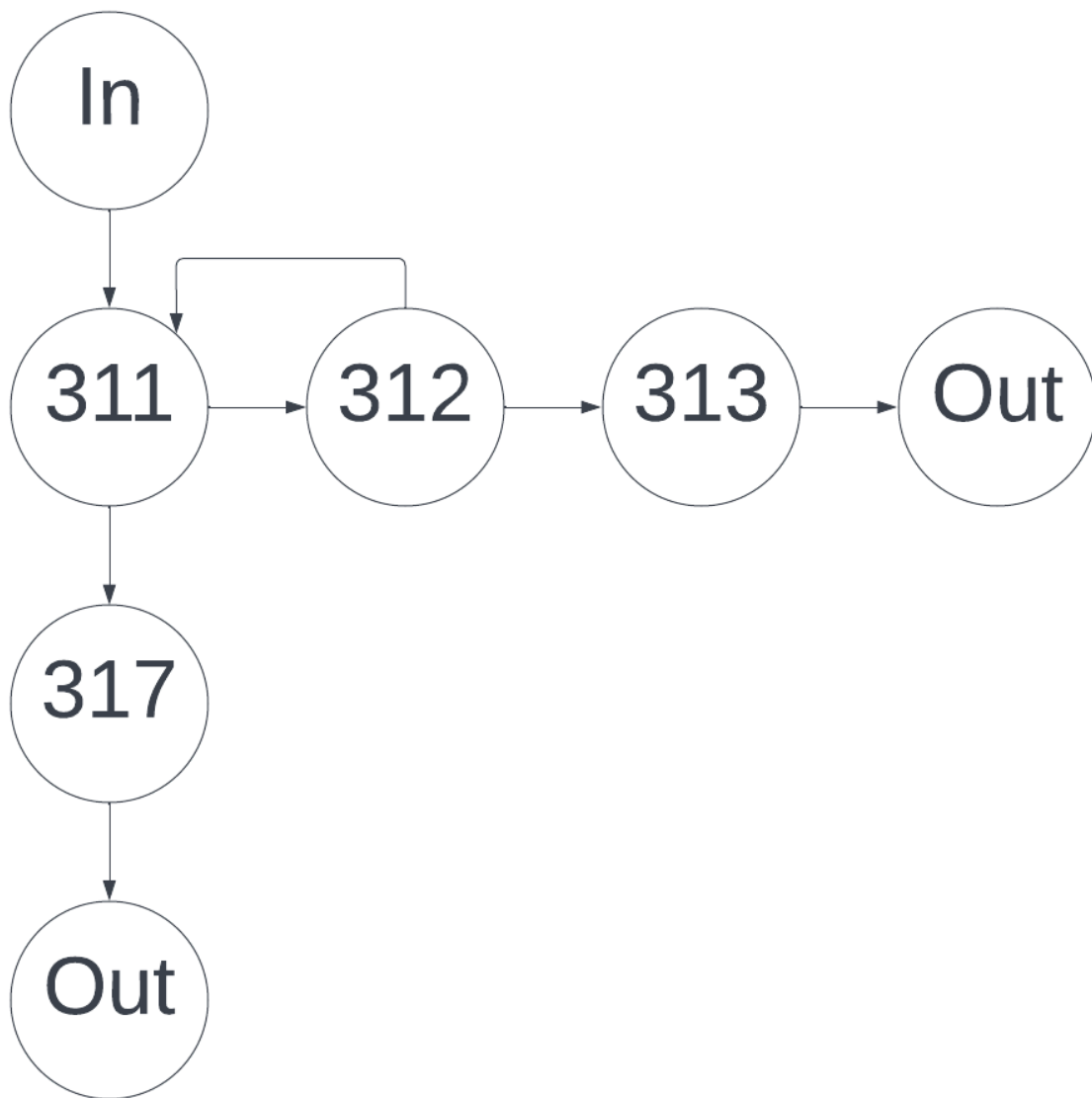
Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. emoji	1.1 A valid emoji string with a tone	"emoji\uD83C\uDFFB"
	1.2 An empty string	""
	1.3 A valid emoji string without a tone	"emoji"
	1.a Not a string	123

Derived Test Cases

Test Case ID	emoji	Exp. Result
TC#15	"emoji\uD83C\uDFFB"	Returns "emoji"
TC#16	""	Returns ""
TC#17	"emoji"	Returns "emoji"
TC#18	123	Compiler error, expected string received int

Class: Create.java

Method: author()

CFG

Method author()

In

72 → 73

76 → 76-83

84

85 → Out
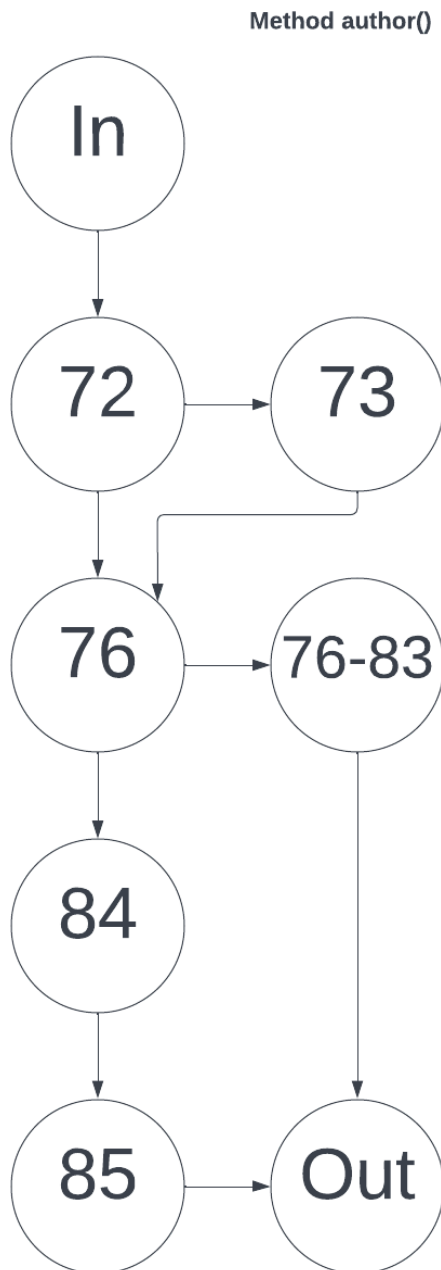
Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. nickname	1.1 A valid string over size 32	"01234567891011121314151617 1819202122"
	1.2 An empty string	""
	1.a Not a string	123
2. discord_id	2.1 A valid long	123
	2.2 Zero	0
	2.a An invalid long	3.14
3. avatar_hash	3.1 A valid string	"asdf"
	3.2 An empty string	""
	3.a An invalid string	123

Derived Test Cases

| Test Case ID	nickname	discord_id	avatar_hash	Exp. Result
TC#19	"01234567 891011121 314151617 181920212 2"	123	"asdf"	Statement string set to "01234567891011121314 1516171819202", author added to authors table
TC#20	""	123	"asdf"	Statement string set to "", author added to authors table
TC#21	123	123	"asdf"	Compiler error, expected string received int
TC#22	"01234567 891011121 314151617 181920212 2"	0	"asdf"	Statement string set to "01234567891011121314 1516171819202", author added to authors table
TC#23	"01234567 891011121 314151617 181920212 2"	3.14	"asdf"	Compiler error, expected long received double
TC#24	"01234567 891011121 314151617 181920212 2"	123	""	Statement string set to "01234567891011121314 1516171819202", author added to authors table
TC#25	"01234567 891011121 314151617 181920212 2"	123	123	Compiler error, expected string received int

Method: dictionaryEntry()

CFG
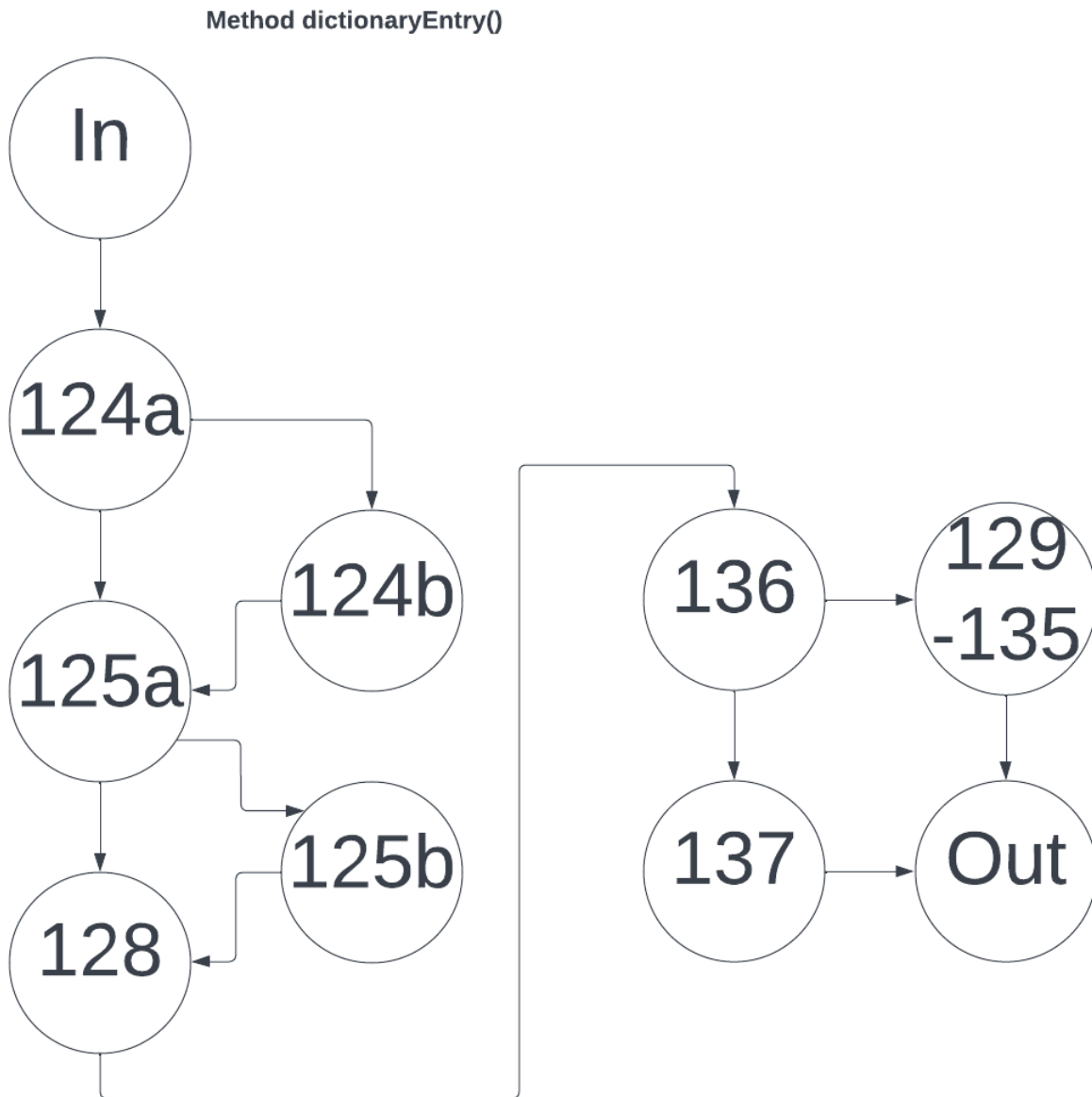
Method dictionaryEntry()

Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. emoji	1.1 A valid string over size 32	"This string is over thirty two characters long"
	1.2 An empty string	""
	1.a Not a string	123
2. meaning	2.1 A valid string over size 32	"asdf"
	2.2 An empty string	""
	2.a Not a string	123

Derived Test Cases

Test Case ID	emoji	meaning	Exp. Result
TC#26	"asdf"	"asdf"	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning "This string is over thirty two c"
TC#27	""	"asdf"	Adds an emoji to the dictionary of emoji "" and meaning "This string is over thirty two c"
TC#28	123	"asdf"	Compiler error, expected string received int
TC#29	"asdf"	""	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning ""
TC#30	"asdf"	123	Compiler error, expected string received int

Method: reaction()

CFG
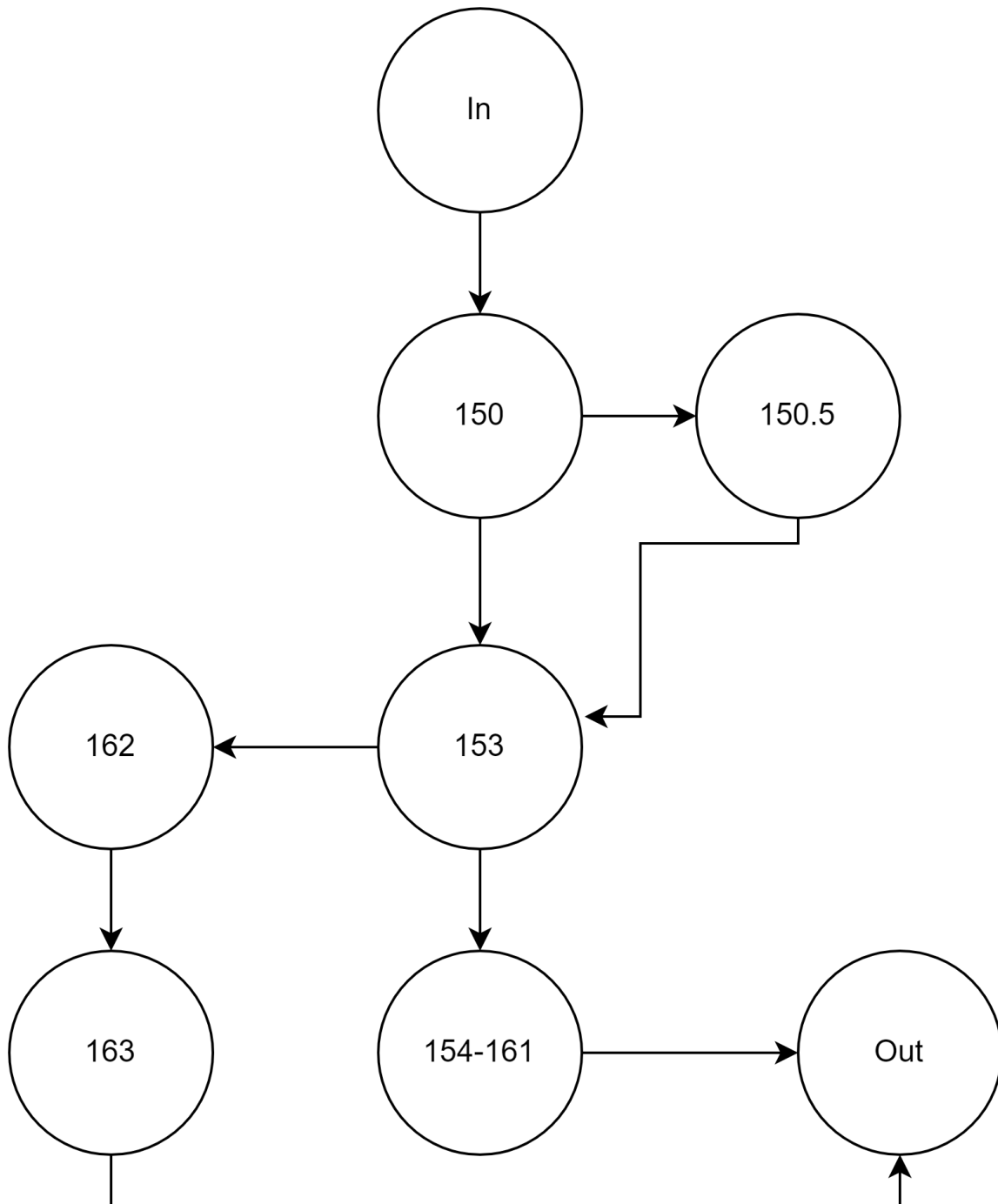
Equivalence Classes

Parameter	Equivalence Class ID | Description	Representative
1. message_discord_id	1.1 A valid long	1234
	1.2 Zero	0
	1.a Not a long	"abc"
2. authord_discord_id	2.1 A valid long	1234
	2.2 Zero	0
	2.a Not a long	"abc"
3. emoji	3.1 A valid string	"string"
	3.2 An empty string	""
	3.3 Not a string	123

Derived Test Cases

Test Case ID	message_discord_id	author_discord_id	emoji	Exp. Result
TC#31	1234	1234	"string"	Reaction "string" added to table
TC#32	0	1234	"string"	Reaction "string" added to table
TC#33	"abc"	1234	"string"	Compiler error, expected long received string
TC#34	1234	0	"string"	Reaction "string" added to table
TC#35	1234	"abc"	"string"	Compiler error, expected long received string
TC#36	1234	1234	""	Reaction "" added to table
TC#37	1234	1234	123	Compiler error, expected string received int

Tests Performed

Test Case ID	Expected	Actual	Pass/Fail
TC#1	Creates a database	Creates a database	Pass
TC#2	Does not create a database, displays it already exists	Does not create a database, displays it already exists	Pass
TC#3	Compiler error, expected boolean received int	Compiler error, expected boolean received int	Pass
TC#4	Creates a database	Creates a database	Pass
TC#5	Compiler error, expected obj received int	Compiler error, expected obj received int	Pass
TC#6	Creates a database	Creates a database	Pass
TC#7	Compiler error, expected string received int	Compiler error, expected string received int	Pass
TC#8	Creates a database	Creates a database	Pass
TC#9	Compiler error, expected string received int	Compiler error, expected string received int	Pass
TC#10	Returns true	Returns true	Pass
TC#11	Returns false	Returns false	Pass
TC#12	Compiler error, expected obj received int	Compiler error, expected obj received int	Pass
TC#13	Returns false	Returns false	Pass
TC#14	Compiler error, expected obj received int	Compiler error, expected obj received int	Pass

TC#15	Returns "emoji"	Returns "emoji"	Pass
TC#16	Returns ""	Returns ""	Pass
TC#17	Returns "emoji"	Returns "emoji"	Pass
TC#18	Compiler error, expected string received int	Compiler error, expected string received int	Pass
TC#19	Statement string set to "0123456789101112131415161718192022", author added to authors table	Statement string set to "0123456789101112131415161718192022", author added to authors table	Pass
TC#20	Statement string set to "", author added to authors table	Statement string set to "", author added to authors table	Pass
TC#21	Compiler error, expected string received int	Compiler error, expected string received int	Pass
TC#22	Statement string set to "0123456789101112131415161718192022", author added to authors table	Statement string set to "0123456789101112131415161718192022", author added to authors table	Pass
TC#23	Compiler error, expected long received double	Compiler error, expected long received double	Pass
TC#24	Statement string set to "0123456789101112131415161718192022", author added to authors table	Statement string set to "0123456789101112131415161718192022", author added to authors table	Pass
TC#25	Compiler error, expected string received int	Compiler error, expected string received int	Pass
TC#26	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning "This string	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning "This string is over thirty two c"	Pass

		is over thirty two c"		
TC#27	Adds an emoji to the dictionary of emoji "" and meaning "This string is over thirty two c"	Adds an emoji to the dictionary of emoji "" and meaning "This string is over thirty two c"	Pass	
TC#28	Compiler error, expected string received int	Compiler error, expected string received int	Pass	
TC#29	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning ""	Adds an emoji to the dictionary of emoji "This string is over thirty two c" and meaning ""	Pass	
TC#30	Compiler error, expected string received int	Compiler error, expected string received int	Pass	
TC#31	Reaction "string" added to table	Reaction "string" added to table	Pass	
TC#32	Reaction "string" added to table	Reaction "string" added to table	Pass	
TC#33	Compiler error, expected long received string	Compiler error, expected long received string	Pass	
TC#34	Reaction "string" added to table	Reaction "string" added to table	Pass	
TC#35	Compiler error, expected long received string	Compiler error, expected long received string	Pass	
TC#36	Reaction "" added to table	Reaction "" added to table	Pass	
TC#37	Compiler error, expected string received int	Compiler error, expected string received int	Pass	