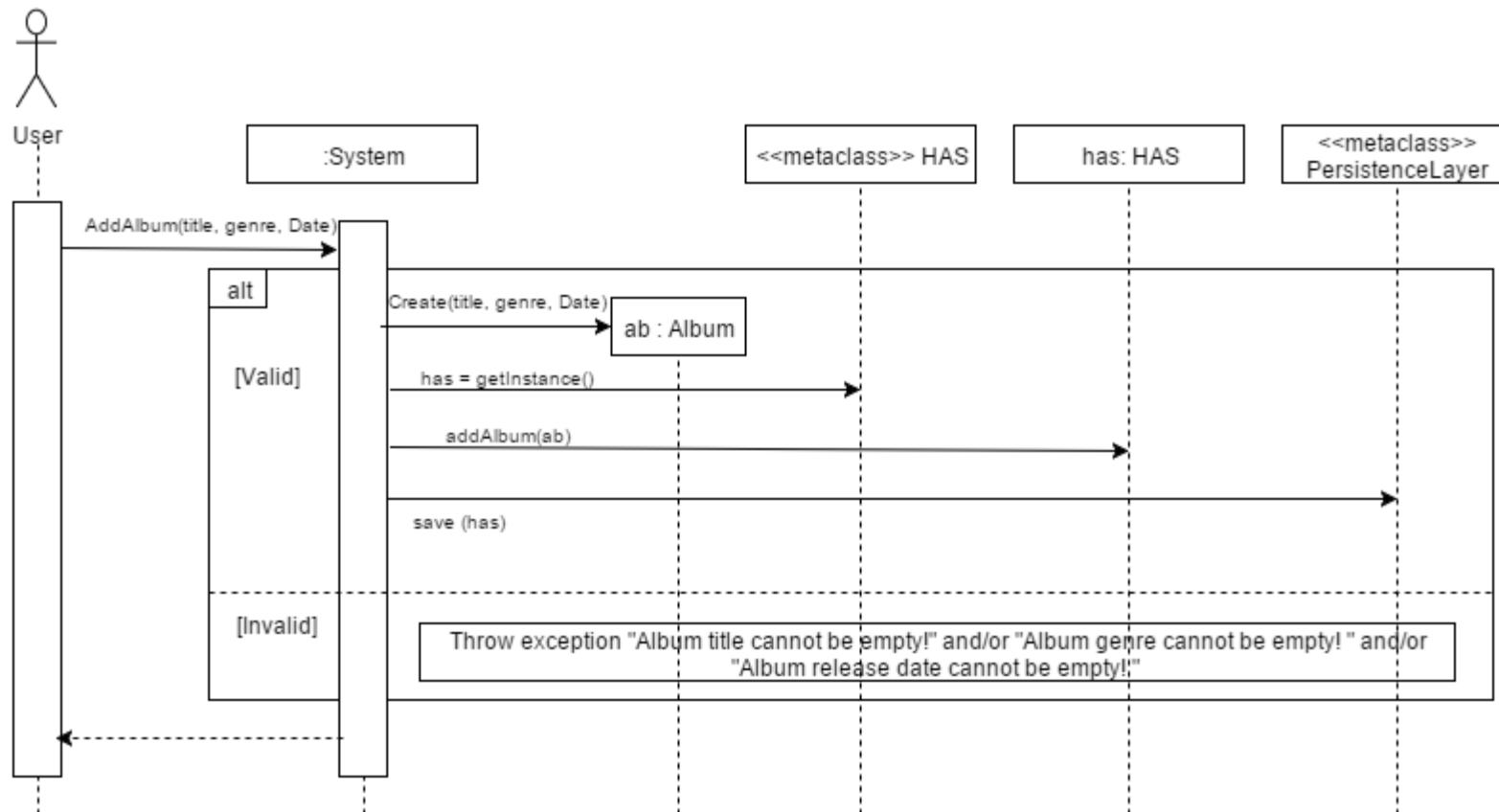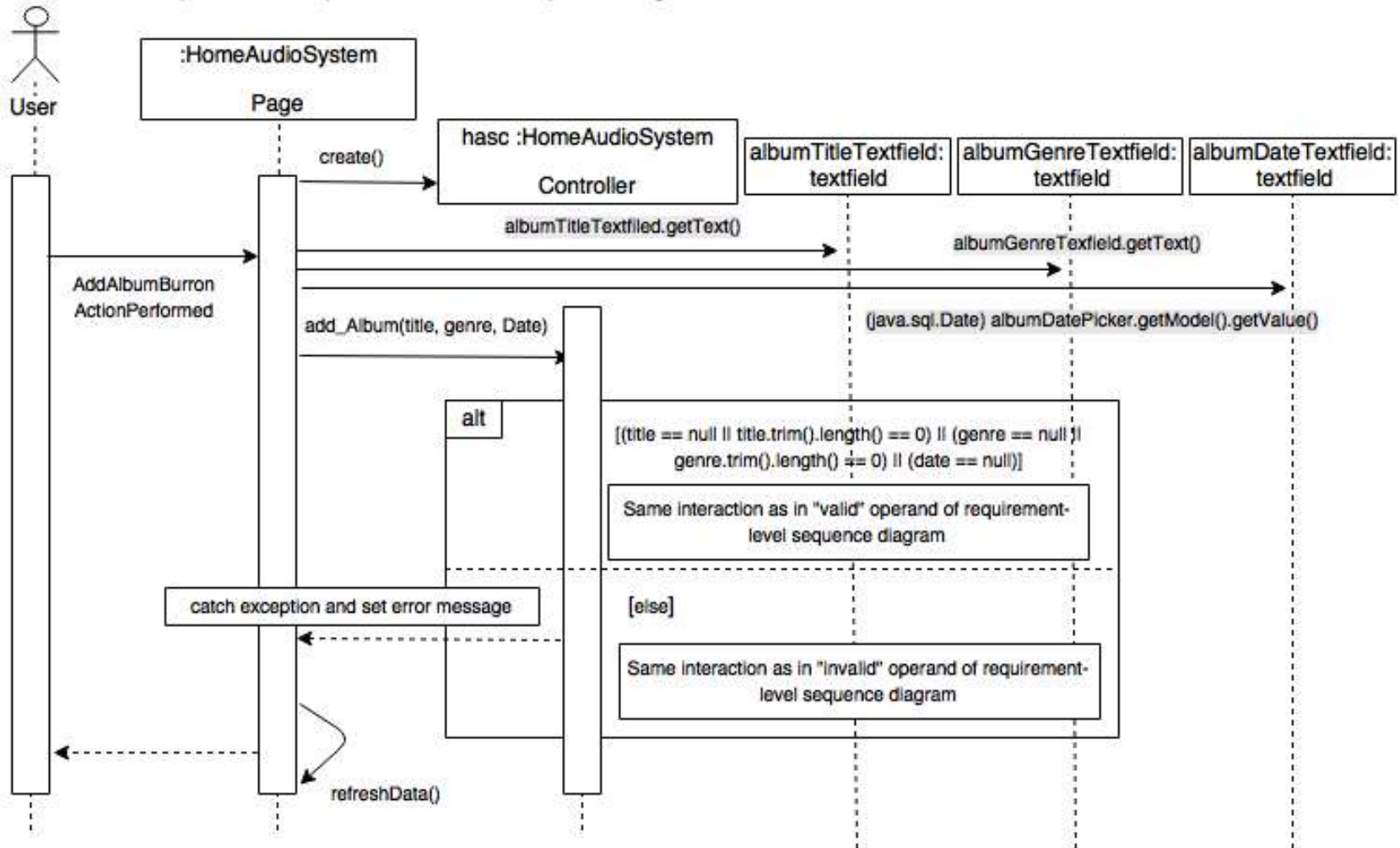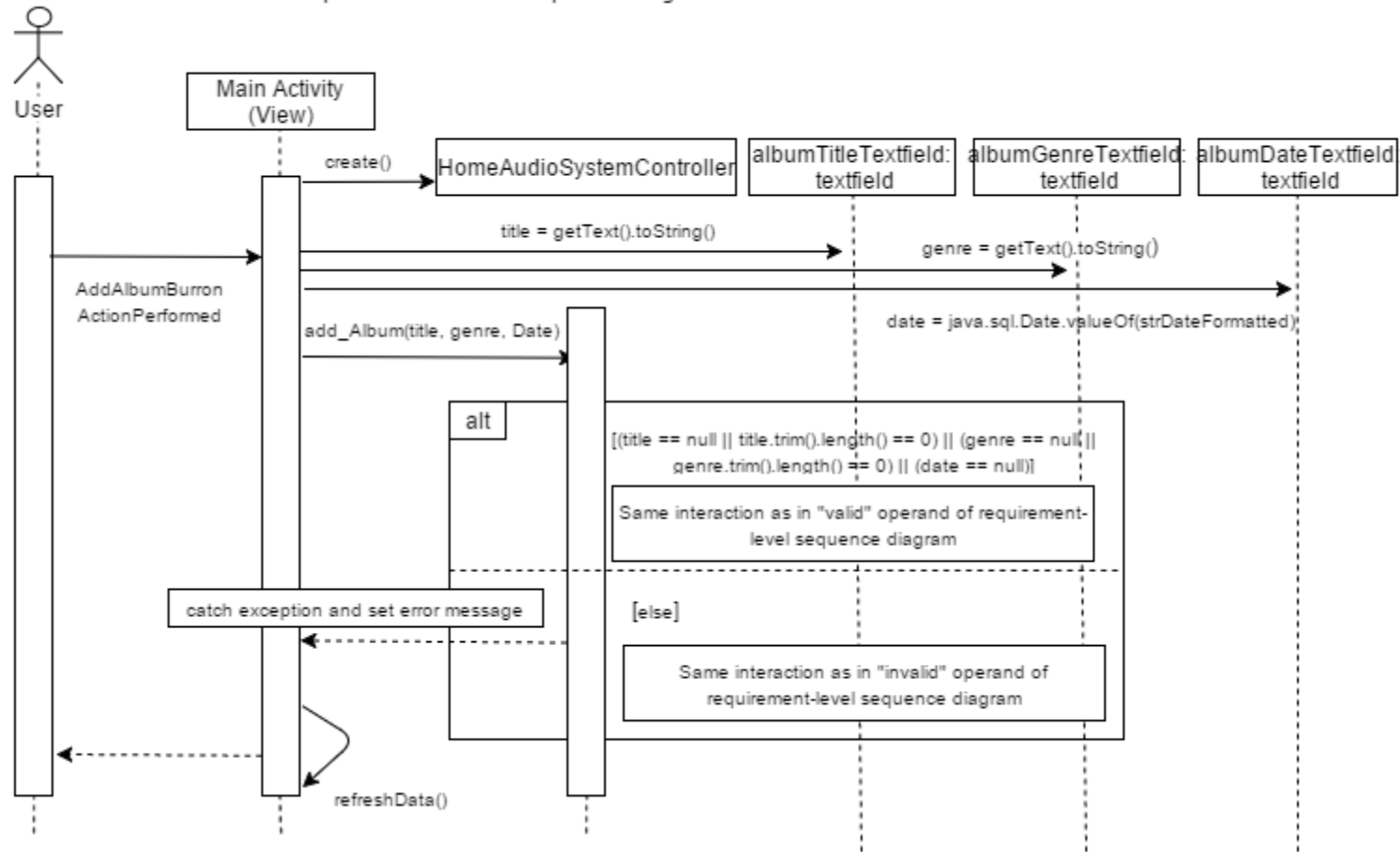## Sequence Diagrams:

Add Album - Requirements level Sequence Diagram

Add Album - Desktop Platform : Implementation level Sequence Diagram

Add Album - Android Platform : Implementation level Sequence Diagram

User

Main Activity
(View)

HomeAudioSystemController

albumTitleTextfield:
textfield

albumGenreTextfield:
textfield

albumDateTextfield
textfield

create()

title = getText().toString()

genre = getText().toString()

AddAlbumBurron
ActionPerformed

add_Album(title, genre, Date)

date = java.sql.Date.valueOf(strDateFormatted)

alt

[(title == null || title.trim().length() == 0) || (genre == null ||
genre.trim().length() == 0) || (date == null)]

Same interaction as in "valid" operand of requirement-
level sequence diagram

catch exception and set error message

[else]

Same interaction as in "invalid" operand of
requirement-level sequence diagram

refreshData()

Add Album - Web Platform : Implementation level Sequence Diagram

User

Index

Controller

albumTitleTextfield: textfield

albumGenreTextfield: textfield

albumDateTextfield: textfield

create()

$_POST['album_title']

$_POST['album_genre']

Submit Value
Add Album

$_POST['album_releasedate']

addAlbum($title, $genre,
$releasedate)

alt

[($title == null || strlen($title) == 0) || ($genre == null || strlen($genre) == 0) || ($releasedate == null)]

Same interaction as in "valid" operand of requirement-level sequence diagram

catch exception and set error message

[else]

Same interaction as in "invalid" operand of requirement-level sequence diagram

http-equiv="refresh"
content="0;
url=/HomeAudioSystemWeb