Use Case Summary

Use Case Model

Version • Proposed

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Use Case Model

Package in package 'Model'

Airline_Overview

Package in package 'Use Case Model'

Use Case Model diagram

Use Case diagram in package 'Airline_Overview'
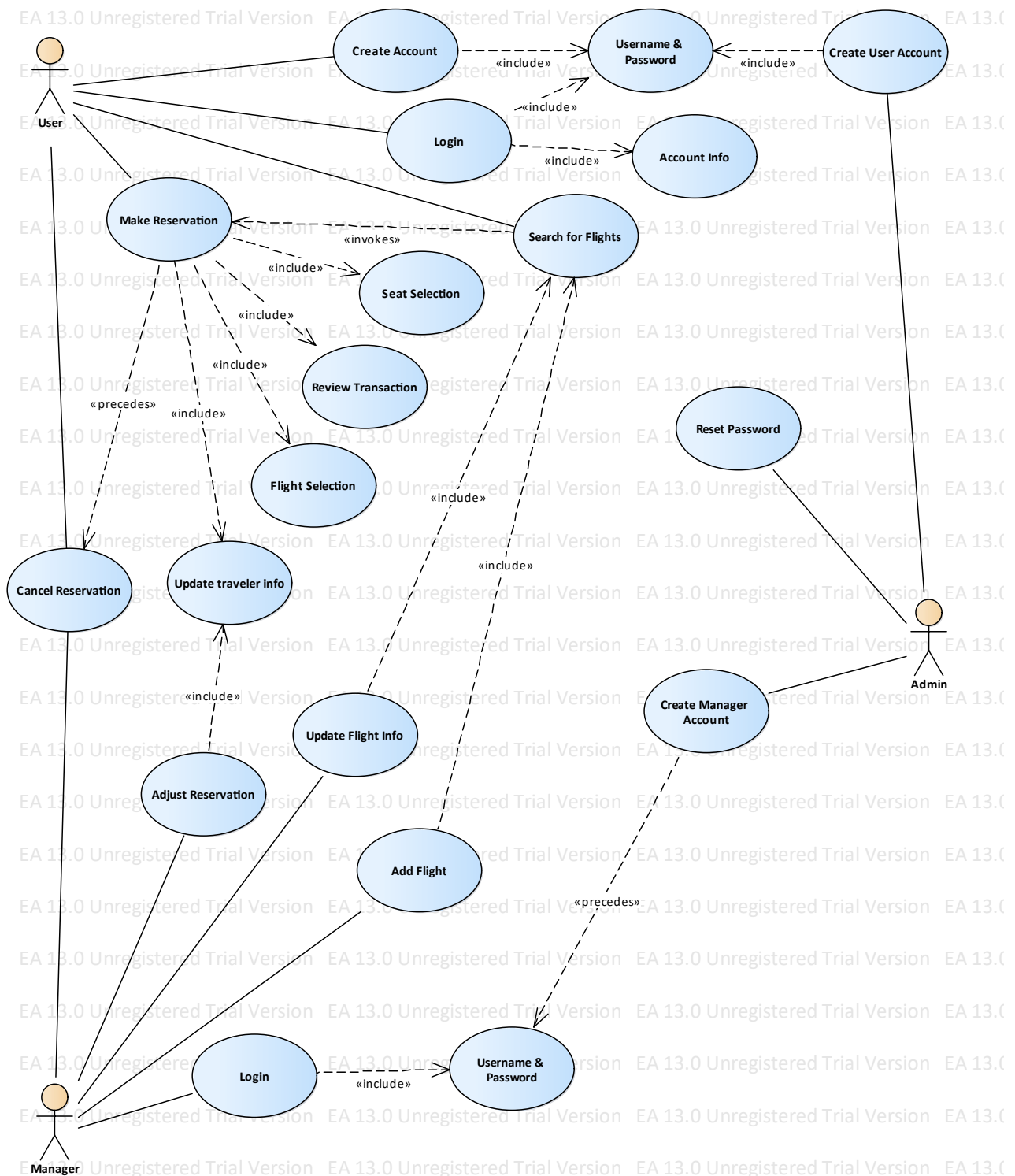
Figure 1: Use Case Model

Admin

Actor in package 'Airline_Overview'

Manager

Actor in package 'Airline_Overview'

Manager
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

User

Actor in package 'Airline_Overview'

User
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Account Info

UseCase in package 'Airline_Overview'

Account Info
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Add Flight

UseCase in package 'Airline_Overview'

Add Flight
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:
[1] Manager receives flight info. [2] Updates database - adds new row. [3] System refreshes flight database (updates "Flight Search").

Adjust Reservation

UseCase in package 'Airline_Overview'

Adjust Reservation
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Cancel Reservation

UseCase in package 'Airline_Overview'

Cancel Reservation
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path

Basic Path:

[1] User logs into account. [2] System loads user dashboard (displays future flights and previous flights). [3] User clicks "Cancel Reservation" next to flight they wish to cancel in the "Upcoming Flights" section. [4] System displays details of reservations. [5] User selects "Process Cancellation". [6] System displays "Reservation Successfully Cancelled". [7] System sends user confirmation email. [8] System notifies airline manager of cancellation. [9] Manager updates flight info.

Create Account

UseCase in package 'Airline_Overview'

Create Account
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Create Manager Account

UseCase in package 'Airline_Overview'

Create Manager Account
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:

[1] Receive new user account request from HR. [2] Creates database row for user with information provided. [3] Admin generates username and password. [4] System emails new username and temp password to user. [5] User logs in with username and temp password. [6] System prompts user to change temp password. [7] User changes temp password. [8] System updates database to reflect new password.

Create User Account

UseCase in package 'Airline_Overview'

Create User Account
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:

[1] Receive new user account request. [2] Creates database row for user with information provided. [3] System generates "email verification" email and sends to user. [4] User verifies account.

Flight Selection

UseCase in package 'Airline_Overview'

Flight Selection
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Login

UseCase in package 'Airline_Overview'

Login

UseCase in package 'Airline_Overview'

Login
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Make Reservation

UseCase in package 'Airline_Overview'

Make Reservation
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:
[1] User selects "Book This Flight" link from list of flights. [2] System checks if user is logged in. [3] System displays a screen with input fields for credit card number, cardholder name, and credit card expiration date; system auto populates user information (can be updated if desired). [4] User enters credit card infor or selects credit card info from drop down menu (if stored in account). [5] User clicks "Submit". [6] System displays details of reservation. [7] User clicks "Complete Reservation". [8] System displays "Reservation Successfully Made" alert. [9] System sends email to user and airline manager with reservation information. [10] Manager udpates flight to reflects booking.

Alternate Paths
User not logged in:
(at [2])
System prompts user to log in. User logs into system. System directs user back to list of flights.

Incomplete Form:
(at [4])
User does not enter in data for all required fields. System alerts user and highlights required fields in red.

User clicks "Cancel":
(at [5])
User clicks "cancel". System takes user back to list of flights (search result screen).

User clicks "Cancel" - Reservation:
(at [7])
User clicks "cancel". System takes user back to credit card info screen.

Reset Password

UseCase in package 'Airline_Overview'

Reset Password
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:

[1] User or Manager clicks "Forgot Password". [2] System takes them to ForgotPassword.html. [3] System displays input fields for username or email . [4] User/Manager inputs username or email. [5] User/Manager clicks "submit". [6] Admin receives password reset request. [7] Admin verifies user by searching for user in database. [8] Admin deletes old password. [9] Admin generates new temporary password and inputs into database. [10] System sends user temporary password and instructions to update. [11] User logs into system. [12] User changes temporary password to new password. [13] System updates database with new password.

Alternate Paths
User does not exist:
(at [8])
Admin is unable to locate user with username or email. System notifies user that account does not exist.

Review Transaction

UseCase in package 'Airline_Overview'

Review Transaction
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Search for Flights

UseCase in package 'Airline_Overview'

Search for Flights
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Basic Path
Basic Path:
[1] User selects "Map" tab. [2] System displays screen with input field for source airport, destination airport, type of ticket (one-way or roundtrip), departure date, and return date. [3] User enters in all required info and clicks "Submit". [4] System displays a listing of all flights that match the customer's input. [5] User selects "Book This Flight" next to desired flight option.

Alternate Paths
User clicks cancel:
(at [3])
User clicks "Cancel". System takes user to home screen.

User does not enter all required fields:
(at [3])
User does not enter in all required fields. System redisplays input screen and highlights required fields in red.

Seat Selection

UseCase in package 'Airline_Overview'

Seat Selection
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Update Flight Info

UseCase in package 'Airline_Overview'

Basic Path
Basic Path:
[1] Manager receives updated info. [2] Manager updates database. [3] System refreshes "Flight Search" database. [4] Manager checks if any travellers are affected .

Alternate Paths
Notification:
(at [4])
Flight update affects traveller. Manager notifies them of changes.

Cancellation:
(at [4])
Flight update = cancellation. Manager notifies traveller of cancellation. Manager refunds user 100%.

Update traveler info

UseCase in package 'Airline_Overview'

Update traveler info
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Username & Password

UseCase in package 'Airline_Overview'

Username & Password
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

Username & Password

UseCase in package 'Airline_Overview'

Username & Password
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

create account

Package in package 'Use Case Model'

<div align="right">

create account
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 3/5/2017

</div>

Create Account Use Case diagram

Use Case diagram in package 'create account'

<div align="right">

Create Account Use Case
Version 1.0
Kristine Holland created on 3/5/2017. Last modified 3/5/2017

</div>

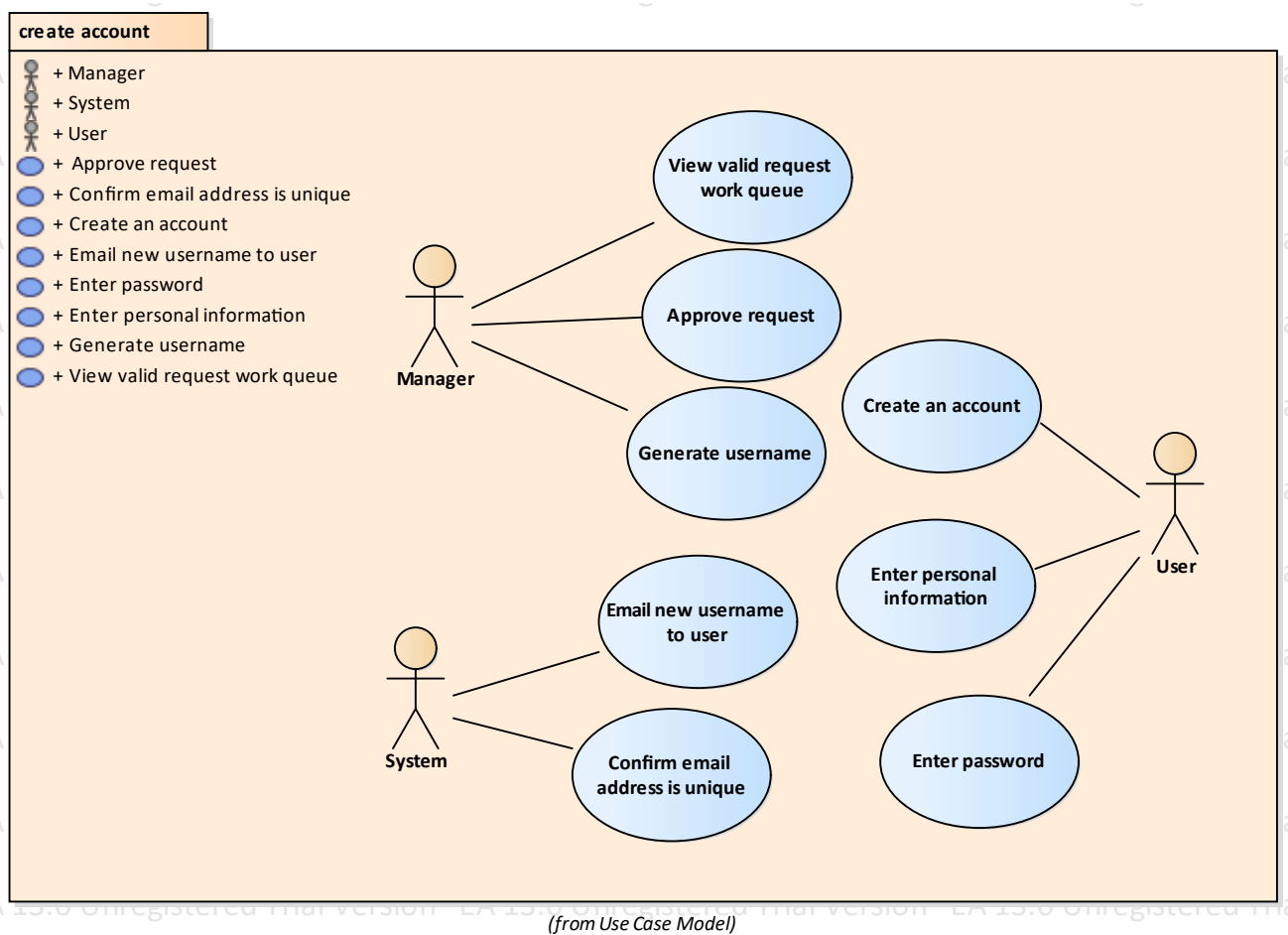
(from Use Case Model)

Figure 2: Create Account Use Case

Manager

Actor in package 'create account'

<div align="right">

Manager
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

</div>

System

Actor in package 'create account'

System
Version 1.0 Phase 1.0 Proposed
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User

Actor in package 'create account'

User
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

Approve request

UseCase in package 'create account'

Approve request
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Confirm email address is unique

UseCase in package 'create account'

Confirm email address is unique
Version 1.0 Phase 1.0 Proposed
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Create an account

UseCase in package 'create account'

Create an account
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

Email new username to user

UseCase in package 'create account'

Email new username to user
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

Enter password

UseCase in package 'create account'

Enter personal information

UseCase in package 'create account'

First name
Last name
Email
Phone number
Address

Generate username

UseCase in package 'create account'

View valid request work queue

UseCase in package 'create account'

login

Package in package 'Use Case Model'

<div align="right">

login
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

</div>

Login Use Case diagram

Use Case diagram in package 'login'

<div align="right">

Login Use Case
Version 1.0
Kristine Holland created on 2/28/2017. Last modified 3/5/2017
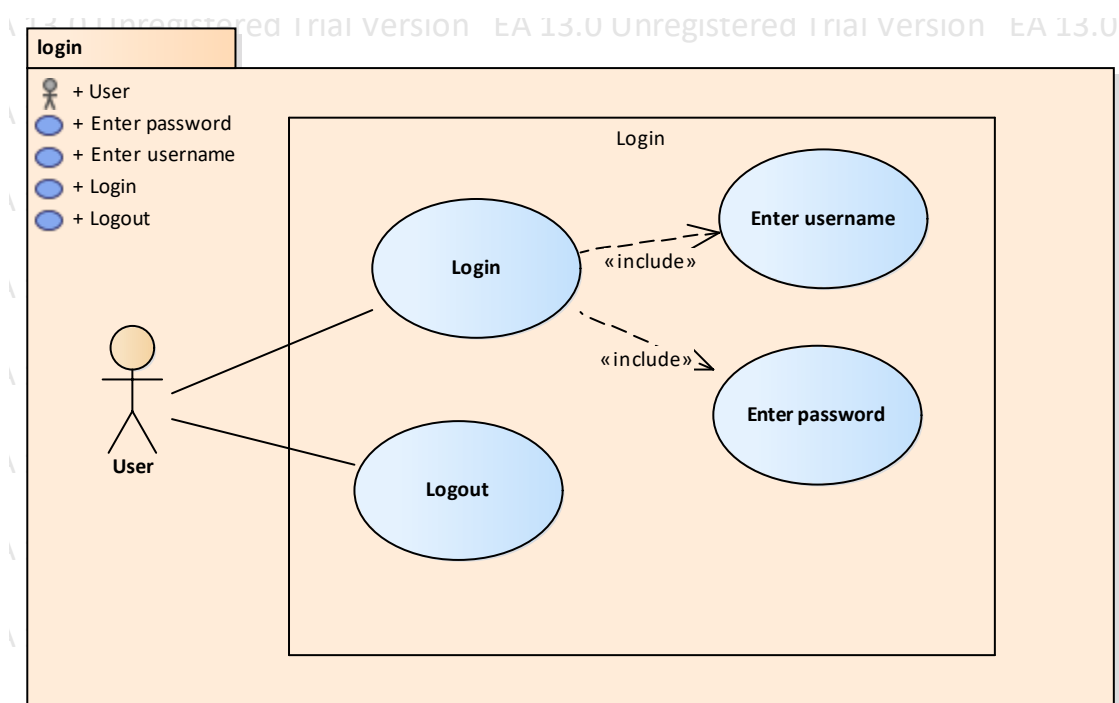
</div>

Figure 3: Login Use Case

User

Actor in package 'login'

<div align="right">

User
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

</div>

Enter password

UseCase in package 'login'

<div align="right">

Enter password
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

</div>

Enter username

UseCase in package 'login'

Enter username
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 2/28/2017

Login

UseCase in package 'login'

Login
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 3/5/2017

Basic Path
Login:
[1] User clicks "login". [2] Load "login.html". [3] <include> Enter username. [4] <include> Enter password. [5] User clicks "submit". [6] If username and password are correct, take to index.html with Hello, <username>.

Alternate Paths
Incorrect Username:
(at [6])
User enters incorrect username. System alerts user that username is incorrect.

Incorrect Password:
(at [6])
User enters incorrect password. System alters user to try again.

Logout

UseCase in package 'login'

Logout
Version 1.0 Phase 1.0 Proposed
Kristine Holland created on 2/28/2017. Last modified 3/5/2017

Basic Path
Basic Path:
[1] User clicks "log out". [2] System terminates user session.