

Hack for LA- Shared Housing Project

Glossary of Terms and Acronyms

Introduction

This document is a glossary of terms and acronyms created for Hack for LA's Shared Housing project. It is a living document and will expand along with the project.

External References

Homeless Services Glossary from the Los Angeles Homeless Services Authority:

<https://drive.google.com/drive/u/1/folders/1Bfwmno49CDphQLhIk-jVomQwKNFQN7je>

Standard Software Engineering Glossary from the International Qualifications Board for Business Analysis:

https://drive.google.com/open?id=1cQvmhYEelxN2JZLIZjtv4uR9O_HapDVx

Terms and Acronyms

A

B

Booking: A [set of people](#) matched with a [set of rooms](#).

Booking Score: The [score](#) calculated by using all the [score rules](#) for the [set of people](#) and [set of rooms](#).

C

Constraint: A condition of an optimization problem that a [solution](#) must satisfy. For example, “X must Y” or “X should Y”.

Hard Constraint: A constraint that is a must, need, a requirement or unbreakable rule. For example, “X must Y”, “X requires Y”, “X needs Y”, or “X is always Y”. A hard constraint can be positive or negative constraint.

Negative Constraint: A constraint meant to be minimized. For example, “A person should not be sick”.

Positive Constraint: A constraint meant to be maximized. For example, “A person should be healthy”.

Soft Constraint: A constraint that is a preference, like, a “should” or flexible rule. For example, “X should Y”, “X prefers Y”, “X likes Y”, or “X should ideally Y”. A soft constraint can be either a positive or negative constraint.

D

E

F

G

H

Hard Constraint: Please see [constraint](#).

I

J

K

L

LAFH: Los Angeles Family Housing, the client for this project.

Likert Scale: Simple scale to gauge satisfaction 1-5, often using smileys as a representation. Some are color coded but we’ll need to be mindful of accessibility requirements with colorblindness:

<https://cdn2.vectorstock.com/i/1000x1000/92/41/colored-flat-icons-of-emoticonsdifferent-emotions-vector-13779241.jpg>

M

N

Negative Constraint: Please see [constraint](#).

O

P

Positive Constraint: Please see [constraint](#).

Q

R

S

Score: A rankable value, such as a number on a scale of -1000 (worst) to 1000 (best).

Score Rule: An explanation of how to change a [score](#), such as "a person who uses a wheelchair + an apartment that has a wheelchair ramp = +10 score".

Set of People: A collection of people who will live together, such as roommates, flatmates, housemates.

Set of Rooms: A collection of rooms that will lease together, such as an apartment, flat, house.

Soft Constraint: Please see [constraint](#).

Solution: A matching of all available people and all available rooms.

T

U

V

W

X

Y

Z