

# Iskolivery: A Crowdsourced Courier Service

## Program Specification

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***Unique Reference:***

The documents are stored in <https://github.com/marcteves/cs191-project/wiki/Project-Deliverables> referenced with Iskolivery - Posting a new request.pdf under the section of 03 - Design Engineering.

***Document Purpose:***

This document is provided to create a sample program specification for PostRequestController class.

***Target Audience:***

Students and faculty of the University of the Philippines Diliman.

***Revision Control:***

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Contribution/Modification</i></b>
10/29/18	Marc Teves	1.0	Created the document

*Program Specification:* Posting a new request

*Class:* Request

*Stereotype:* Controller

*Method Signature:* postUserRequest(int deadline, string requestDescription, float bounty, float latitude, float longitude, int userID)

*Input:*

deadline - UNIX time representation of request deadline  
requestDescription - string representation of request details  
bounty - incentive for fulfillers, specified by the requester  
latitude, longitude - location for the delivery target of the request  
userID - user that posted the request

*Output:*

requestID - id of the created request

*Tool Used:* Structured English

*Program Logic:*

```
IF (userValidation-method is TRUE)

    DO
        loc_shortcode = findShortName(latitude, longitude)
        requestID = CREATE Request(deadline, requestDescription, bounty,
loc_shortcode, latitude, longitude)
        CREATE Posted_by(requestID, userID)

        return requestID

ELSE

    DO Nothing

/** userValidation - method that validates the account of the requesting user
/** findShortName - uses google geonames API to convert lat,long into short names for user
interface purposes
```