Test Design Specification: 20160601-CarterScott-TDS

# De Anza Admissions and Records Help Form

# Features to be Tested

The De Anza Admissions and Records Help Form (http://www.deanza.edu/admissions/reghelp.html) contains five required fields, and one optional field.

Positive tests will include 12 iterations to test each option in the “Subject” pick list as well as a complete known valid entry (happy path).

Negative tests (20 in total) will exercise individual fields for error trapping with invalid data types and forms.

# Approach Refinements

Testing is largely completed with Selenium IDE. The one manual verification that needs to be completed would be the receipt of email for the positive test cases.

Use the below (expected) valid test values:

First name valid value: **Ahn-Pun'Tac Ann**

Last name valid value: **O'Malley-O'Brein**

Email valid value: **O'Malley-O'Brein.Ahn436@iccarus.me**

Student valid value: **12345678**

Question valid value: **Why?**

Subject valid value: **Admissions Applications**

# Test Identification

## Happy Path (Positive):

20160601-CarterScott-TCS-01 Use all valid parameters for all six fields => Successful message and delivery of emailed question

## Valid events (Positive):

20160601-CarterScott-TCS-02 *fname* field with **leading space** and *e\_subject* set to **Admissions Applications**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-03 *fname* field with **trailing space** and *e\_subject* set to **Registration**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-04 *fname* field with **digit characters** and *e\_subject* set to **Residency**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-05 *lname* field with **leading space** and *e\_subject* set to **MyPortal Login Problem**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-06 *lname* field with **trailing space** and *e\_subject* set to **MyPortal Account Not Found**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-07 *lname* field with **digit characters** and *e\_subject* set to **MyPortal Account Locked**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-08 *email* field with **leading space** and *e\_subject* set to **High School Students**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-09 *email* field with **trailing space** and *e\_subject* set to **General Question**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-10 *cwid* field with **leading space** and *e\_subject* set to **Graduation/Degree Audit**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-11 *cwid* field with **trailing space** and *e\_subject* set to **Placement Testing**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-12 *cwid* field with **no characters** and *e\_subject* set to **Prereq Question**; valid values for remaining four fields => Successful message and delivery of emailed question

20160601-CarterScott-TCS-13 *question* field with **500 characters** and *e\_subject* set to **Transcript Status**; valid values for remaining four fields => Successful message and delivery of emailed question

## “First name” field value tests (Negative):

20160601-CarterScott-TCS-14 Test an **empty** *fname* field; All other fields valid => Error indicating missing first name

20160601-CarterScott-TCS-15 Test the *fname* field with **only space characters**; All other fields valid => Error indicating invalid first name

20160601-CarterScott-TCS-16 Test the *fname* field with only **digit characters**; All other fields valid => Error indicating invalid first name

20160601-CarterScott-TCS-17 Test the *fname* field with **special characters**; All other fields valid => Error indicating invalid first name

## “Last name” field value tests (Negative):

20160601-CarterScott-TCS-18 Test an **empty** *lname* field; All other fields valid => Error indicating missing last name

20160601-CarterScott-TCS-19 Test the *lname* field with **only space characters**; All other fields valid => Error indicating invalid last name

20160601-CarterScott-TCS-20 Test the l*name* field with only **digit characters**; All other fields valid => Error indicating invalid last name

20160601-CarterScott-TCS-21 Test the l*name* field with **special characters**; All other fields valid => Error indicating invalid last name

## “Email” field value tests (Negative):

20160601-CarterScott-TCS-22 Test the *email* field with **no characters**; All other fields valid => Error indicating invalid email

20160601-CarterScott-TCS-23 Test the *email* field with **no top level domain**; All other fields valid => Error indicating invalid email

20160601-CarterScott-TCS-24 Test the *email* field with **no local value**; All other fields valid => Error indicating invalid email

20160601-CarterScott-TCS-25 Test the *email* field with **no domain value**; All other fields valid => Error indicating invalid email

## “Student ID” field value tests (Negative):

20160601-CarterScott-TCS-26 Test the *cwid* field with **7 numbers**; All other fields valid => Error indicating invalid Student ID

20160601-CarterScott-TCS-27 Test the *cwid* field with **9 numbers**; All other fields valid => Error indicating invalid Student ID

20160601-CarterScott-TCS-28 Test the *cwid* field with **7 numbers / 1 alpha**; All other fields valid => Error indicating invalid Student ID

20160601-CarterScott-TCS-29 Test the *cwid* field with **8 space characters**; All other fields valid => Error indicating invalid Student ID

20160601-CarterScott-TCS-30 Test the *cwid* field with **7 numbers / 1 special character**; All other fields valid => Error indicating invalid Student ID

## “Question” field value tests (Negative):

20160601-CarterScott-TCS-31 Test the *question* field with **no value**; All other fields valid => Error indicating invalid question

20160601-CarterScott-TCS-32 Test the *question* field with **501 characters**; All other fields valid => Error indicating invalid question

## “Subject” field value tests (Negative):

20160601-CarterScott-TCS-33 Test the *e\_subject* field with the **default value**; All other fields valid => Error indicating invalid subject

# Feature Pass / Fail Criteria

Positive tests will pass if the test successfully

1. Offers a success message to the user after clicking the **Submit** button

and

1. An email with the test information is delivered to the correct mail box

Any test that fails to meet both criteria will fail the test.

Negative tests will pass if the appropriate error message is returned after clicking the **Submit** button.

Negative tests will fail if no error message is returned.