**Code Academy**

Requirements

**Phase I**

R.1- “Sign In” Button on “Welcome” page

R.1.1 - “Sign In” button must link to “Sign In” page.

R.1.2 - “Sign In” page must open in 5 seconds once the “Sign In” button is clicked.

R.2 – “Create New Account” Button on “Welcome” page

R.2.1 - “Create New Account” button must link to the “Create New Account” page.

R.2.2 - “Create New Account” page must open in 5 seconds once the “Create New Account” is clicked.

R.3 – Email for Existing Account

R.3.1 - Email must have 1 to 50 characters.

R.3.2 - Email must be connected to a valid email domain.

R.3.3 - Email must match database-stored email.

R.4 – Email for New Account

R.4.1 - Email must have 1 to 50 characters.

R.4.2 - Email must be connected to a valid email domain.

R.4.3 - New email account can only be created with a unique email that has not previously been entered into the database.

R.5 – Password

R.5.1 - Password must have 8 to 25 alphanumeric characters.

R.5.2 - Password must be linked to the correct corresponding email.

R.5.3 - Password must be encrypted.

R.6 – First Name Field

R.6.1 - First Name must have 1 to 25 alphabetic and/or symbolic characters.

R.6.2 - First letter of First name must be an alphabetic character.

R.7 – Last Name Field

R.7.1 - Last Name must have 1 to 25 alphabetic and/or symbolic characters.

R.7.2 - First letter of Last Name must be an alphabetic character.

R.8 – School Name Selection

R.8.1 - School Name selection must be a drop down menu.

R.8.2 - School Name must be a valid partnered school.

R.9 – Fields on “Create Account” page

R.9.1 - All fields on “Create Account” page must be filled out with the appropriate information according to previous requirements.

R.10 – Error message on “Create Account” page

R.10.1 - An error message must appear if 1 or more fields are not filled out.

R.10.2 - Error Message must say, “A first name is required” if a First Name is

missing from the field.

R.10.3 - Error Message must say, “What’s your email address?” if an email address is missing from the field.

R.10.4 - Error Message must say, “Doesn’t look like a valid email” is an entered email address is invalid.

R.10.5 - Error Message must say, “Email must be less than 50 characters” if an entered email address exceeds 50 characters.

R.10.6 - Error Message must say, “Password must be at least 8 characters” if a password is not entered or is not at least 8 characters.

R.10.7 - Error Message must say, “Password must be less than 25 characters” if an entered password exceeds 25 characters.

R.10.8 - Error Message must appear underneath each/every field that is missing or contains invalid information.

R.11 - Tab

R.11.1 - Each Field must be accessed via the Tab button on computer.

R.12- Cursor

R.12.1 - Cursor must begin in Email field of the “Sign In” page.

R.12.2 - Cursor must begin in First Name field of the “Create Account” page.

R.12.3 - Cursor must begin in the Current Password field of the “Change

Password” page.

R.12.4 - Cursor must begin in the Email field of the “Password Reset” page.

R.12.5 - Cursor must begin in the New Password field of the “New Password” page.

R.13 – Submit Button on Create Account Page

R.13.1 - “Submit” button on “Create Account” page must link to “Homepage” page.

R.14 – Code Arcade logo Button

R.14.1 - “Code Arcade” Button must be linked to the “Homepage” if the user is already logged in.

R.14.2 - “Code Arcade” Button must be linked to the “Welcome Page” if the user is not already logged in.

R.14.3 - “Homepage” must open in 5 seconds once the “Code Arcade” button is clicked.

R.14.4 - “Welcome Page” must open in 5 seconds once the “Code Arcade” button is clicked.

R.15 – Re-Enter Password Field on “Create Account” page

R.15.1 - Re-Enter Password on “Create Account” page must be between 8

to 25 alphanumeric characters.

R.15.2 - Re-Enter Password “Create Account” page must match the

password in field above.

R.16 – “Forgot Password” Button

R.16.1 - “Forgot Password” button must be listed on the “Sign In” page.

R.16.2 - “Forgot Password” button must be linked to the “Forgot Password” page.

R.17 – “Submit” button on “Sign In” page

R.17.1 - “Submit” button must link to the “Homepage” page.

R.17.2 - “Homepage” page must open in 5 seconds once the “Submit” button is clicked.

R.18 – Leaderboard by School

R.18.1 - 1st must link to the school with the highest score as listed in the database

R.18.2 - 2nd must link to the school with the second highest score as listed in the

database.

R.18.3 - 3rd must link to the school with the third highest score as listed in the

database.

R.18.4 - 4th must link to the school with the fourth highest score as listed in the database.

R.18.5 - 5th must link to the school with the fifth highest score as listed in the database.

R.19 – Leaderboard by Name

R.19.1 - 1st must link to the First and Last name of the user with the

highest score as listed in the database.

R.19.2 - 2nd must link to the First and Last name of the user with the second

highest score as listed in the database.

R.19.3 - 3rd must link to the First and Last name of the user with the third highest

score as listed in the database.

R.19.4 - 4th must link to the First and Last name of the user with the fourth

highest score as listed in the database.

R.19.5 - 5th must link to the First and Last name of the user with the fifth highest

score as listed in the database.

R.19.6 - 6th must link to the First and Last name of the user with the sixth highest

score as listed in the database.

R.19.7 - 7th must link to the First and Last name of the user with the seventh

Highest score as listed in the database.

R.19.8 - 8th must link to the First and Last name of the user with the eight highest

score as listed in the database.

R.19.9 - 9th must link to the First and Last name of the user with the ninth highest score as listed in the database.

R.19.10 - 10th must link to the First and Last name of the user with the tenth

highest score as listed in the database.

R.20 – Game Options

R.20.1 - “Game Options” must load the most previously saved version of each

game the user has programmed.

R.20.2 - “Game Options” link for each game must link to the “Game Page” for

each respective game.

R.20.3 - “Game Page” must open in 5 seconds once “Game Options” link is clicked.

R.21 – “Log Out” Button

R.21.1 - “Log Out” button must link to the “Welcome Page”.

R.21.2 - “Welcome Page” must open in 5 seconds once “Log Out” button is clicked.

R.21.3 - “Log Out” button must be included on the “Homepage” and every

“Game Page”.

R.22 – “Change Password” Button

R.22.1 - “Change Password” button must be on the “Home Page” and every “Game Page” represented by a gear icon.

R.22.2 - “Change Password” button must link to the “Change Password” page.

R.22.3 - User must be logged in to access the “Change Password” page.

R.22.4 - “Change Password” page must open in 5 seconds once the “Change Password” button is clicked.

R.23 – “Change Password” page

R.23.1 - “Current Password” must match the password stored in the database for the logged-in user.

R.23.2 - “Confirm New Password” must match “New Password”.

R.23.3 - Error message must pop up if one or more fields are missing information.

R.23.4 - Error message must pop up if “Confirm New Password” and “New Password” do not match.

R.23.5 - “Save Changes” button must update the database with the new password for logged-in user.

R.23.6 - “Save Changes” button must link to the “Log In” page.

R.23.7 - “Log In” page must open in 5 seconds of “Save Changes” button being clicked.

R.24 – “Start Over” Button on “Game page”

R.24.1 - “Start Over” button must clear out all user edited code for each game option.

R.25 – “Hint” Button on “Game Page”

R.25.1 - “Hint” pop up window must open in 5 seconds of being clicked.

R.25.2 - “Hint” pop up window must provide guidance for each respective level.

R.25.3 - “Hint” pop up window must be included on each level of each game.

R.25.4 - “Hint” pop up window must have unlimited access by user.

R.26 – “Instruction” pop up page

R.26.1 - “Instruction” page must open in 5 seconds of “Game option” being clicked.

R.27 – “Close” Button on “Instruction” pop up page

R.27.1 - “Close” button must be linked to the “Game Page”.

R.27.2 - “Instruction” pop up page must close in 5 seconds once “Close” button being clicked.

R.27.3 - “Close” button must be included on every “Instructions” pop up page.

R.28 – “Game” page

R.28.1 - Code Modifier boxes must have the capability to be dragged and dropped into the appropriate code string.

R.28.2 - An error message saying, “This is not the appropriate field to drag this box into.” must appear in 5 seconds of a user attempting to drag the incorrect Code Modifier into a code string.

R.28.3 - Game attributes must update according to which Code Modifier is dragged into the appropriate code string.

R.28.4 - Game attributes must update in 5 seconds of the Code Modifier being dragged into the appropriate code string.

R.29 – About Page

R.29.1 – “About” page must load in 5 seconds once “About” link is clicked on the Navigation bar.

R.29.2 – 4 resource links must load respective website in 5 seconds once clicked.

**Phase II**

R.1 – Email on “Forgot Password” page

R.1.1 – Email entered must be a registered email stored in the database

R.1.2 – Email must have 1- 50 characters

R.1.3 – Email must be a valid email domain

R.2 – Submit Button on “Forgot Password” page

R.2.1 – “Submit” button must link to “Verification” page

R.2.2 – “Verification” page must open in 5 seconds once “Submit” button is

clicked

R.3 – “Verification Code” Field

R.3.1 – Verification code must be 5 to 7 numeric characters

R.3.2 – Verification must match the code listed in the email

R.4 – “Submit” button on “Verification” page

R.4.1 – “Submit” button must link to “Reset Password” page

R.4.2 – “Reset Password” page must open in 5 seconds once “Submit” button is

clicked

R.5 – “New Password” Field on “Reset Password” page

R.5.1 – New password on “Reset Password” page must be 3 to 25 alphanumeric

characters

R.5.2 – New password on “Reset Password” page cannot exist in stored database

R.5.3 – New password on “Reset Password” page must be encrypted

R.6 – “Re-Enter Password” Field on “Reset Password” page

R.6.1 – Re-Enter Password on “Reset Password” page must be 3 to 25

alphanumeric characters

R.6.2 – Re-Enter Password must on “Reset Password page must match the

password entered in above field

R.6.3 – Re- Enter Password on “Reset Password” page must be encrypted

R.7 – “Submit” button on “Reset Password” page

R.7.1 – “Submit” button must link to the “Homepage” page

R.7.2 – “Homepage” page must open in 5 seconds once the “Submit” button is

Clicked

R.8 – “Create Account” verification

R.8.1 – First and Last name must match First and Last name loaded by the

administrator in each partner school

R.8.2 – Only 1 account can be made per First and Last name loaded by the

administrator in each partner school