**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 (Username) 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?”

R.10.4 – Error Message must say, “Password must be at least 8 characters”

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 - Error Message for Email

R.16.1 – Error Message must appear if email does not match what is stored

R.16.2 – Error Message must say “The email is not registered”

R.16.3 – Error Message must appear below all text fields

R.17 – Error Message for Password

R.17.1- Error Message must appear if password does not match what is stored

R.17.2 – Error Message must say “The password is incorrect”

R.17.2 – Error Message must appear below all text fields

R.18 – Forgot Password Button

R.18.1 – “Forgot Password” button must be listed on the Sign In page

R.18.2 – “Forgot Password” button must be linked to the Forgot Password page

R.19 – “Submit” button on “Sign In” page

R.19.1 – “Submit” button must link to the “Homepage” page

R.19.2 – “Homepage” page must open in 5 seconds once the “Submit” button is clicked.

R.20 – Leaderboard by School

R.20.1 – 1st must link to the school with the highest score as listed in the database

R.20.2 – 2nd must link to the school with the second highest score as listed in the

database

R.20.3 – 3rd must link to the school with the third highest score as listed in the

database

R.20.4 – 4th must link to the school with the fourth highest score as listed in the database

R.20.5 – 5th must link to the school with the fifth highest score as listed in the database

R.21 – Leaderboard by Name

R.21.1 – 1st must link to the First and Last name of the user with the

highest score as listed in the database

R.21.2 – 2nd must link to the First and Last name of the user with the second

highest score as listed in the database

R.21.3 – 3rd must link to the First and Last name of the user with the third highest

score as listed in the database

R.21.4 – 4th must link to the First and Last name of the user with the fourth

highest score as listed in the database

R.21.5 – 5th must link to the First and Last name of the user with the fifth highest

score as listed in the database

R.21.6 – 6th must link to the First and Last name of the user with the sixth highest

score as listed in the database

R.21.7 – 7th must link to the First and Last name of the user with the seventh

Highest score as listed in the database

R.21.8 – 8th must link to the First and Last name of the user with the eight highest

score as listed in the database

R.21.9 – 9th must link to the First and Last name of the user with the ninth highest score as listed in the database

R.21.10 – 10th must link to the First and Last name of the user with the tenth

highest score as listed in the database

R.22 – Game Options

R.22.1 - “Game Options” must load the most previously saved version of each

game the user has programmed

R.22.2 - “Game Options” link for each game must link to the “Game Page” for

each respective game

R.22.3 - “Game Options” link must link to the “Game Page” within 5 seconds

once “Game Options” link is clicked

R.23 – Log Out

R.23.1 - “Log Out” button must link to the “Welcome Page”

R.23.2 - “Log Out” button must link to the “Welcome Page” within 5 seconds

once “Log Out” button is clicked

R.23.3 – “Log Out” button must be included on the “Homepage” and every

“Game Page”

R.24 – “Change Password” button

R.24.1 – “Change Password” button must be on the “Home Page” and every “Game Page” represented by a gear icon

R.24.2 – “Change Password” button must link to the “Change Password” page

R.24.3 – User must be logged in to access the “Change Password” page

R.24.4 – “Change Password” page must load within 5 seconds of the “Change Password” button being clicked

R.25 – “Change Password” page

R.25.1 – “Current Password” must match the password stored in the database for the logged in user

R.25.2 – “Confirm New Password” must match “New Password”

R.25.3 – Error message must pop up if one or more fields are missing information

R.25.4 – Error message must pop up if “Confirm New Password” and “New Password” do not match

R.25.5 – “Save Changes” button must update the database with the new password for logged in user

R.25.6 – “Save Changes” button must link to the “Log In” page

R.25.7 – “Save Changes” button must open the “Log In” page within 5 seconds of being clicked

R.26 – “Start Over” button on “Game page”

R.26.1 – “Start Over” button must clear out all user edited code for each game option

R.27 – “Hint” button on “Game Page”

R.27.1 – “Hint” pop up window must open in 5 seconds of being clicked

R.27.2 – “Hint” pop up window must provide guidance for each respective level

R.27.3 – “Hint” pop up window must be included on each level of each game

R.27.4 – “Hint” pop up window must have unlimited access by user

R.28 – “Instruction” pop up page

R.28.1 – “Instruction” page must load within 5 seconds of “Game option” being clicked.

R.29 – “Close” button on “Instruction” pop up page

R.29.1 – “Close” button must be linked to the “Game Page”

R.29.2 – “Instruction” pop up page must close within 5 seconds of “Close” button being clicked.

R.29.3 – “Close” button must be included on every “Instructions” pop up page

R.30 – “Game” page

R.30.1 – Code Modifier boxes must have the capability to be dragged and dropped into the appropriate code string.

R.30.2 – An error message saying, “This is not the appropriate field to drag this box into.” must appear within 5 seconds of a user attempting to drag the incorrect Code Modifier into a code string.

R.30.3 – Game attributes must update according to which Code Modifier is dragged into the appropriate code string.

R.30.4 – Game attributes must update within 5 seconds of the Code Modifier being dragged into the appropriate code string.

**R.31 – About Page**

R.31.1 – “About” page must load in 5 seconds of “About” link being clicked on the Navigation bar

R.31.2 – 4 resource links must load respective website in 5 seconds of being 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 ema

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