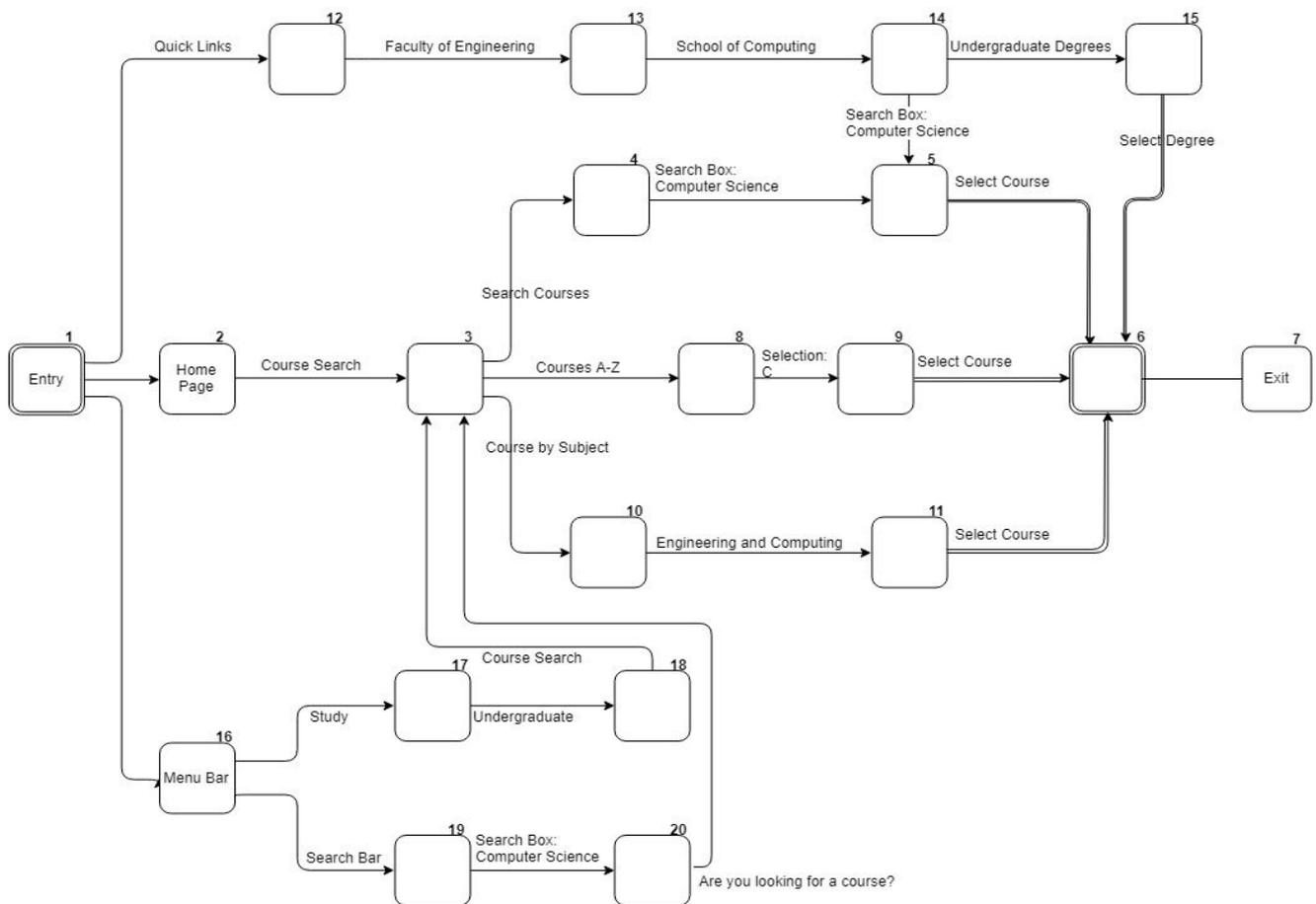


1.1 Hyperlink Graph



1.2 Narrative Stories

1.2a

In-Order-To search for courses, I will go to the homepage of Leeds University and select 'Course Search'

In-Order-To find courses on 'Computer Science', I will...

Select 'Search Courses' **Then** input 'Computer Science' into the search box provided.

Select 'Courses A-Z' **Then** proceed to expand the C Tab displayed.

Select 'Courses by Subject' **Then** proceed to select 'Engineering and Computing.'

In-Order-To obtain information on the course, I will select a course on Computer science, **Then** go back and select another, **Then** repeat till all courses are checked.

1.2b

In-Order-To search for courses, I will go to the menu bar **Then** select the 'Study' dropdown menu and **Then** proceed to select 'Undergraduate'

In-Order-To search for 'Computer Science', I will select the 'Course Search' Option displayed.

In-Order-To find courses on 'Computer Science', I will...

Select 'Search Courses' **Then** input 'Computer Science' into the search box provided.

Select 'Courses A-Z' **Then** proceed to expand the C Tab displayed.

Select '*Courses by Subject*' **Then** proceed to select '*Engineering and Computing*.'

In-Order-To obtain information on the course, I will select a course on Computer science, **Then** go back and select another, **Then** repeat till all courses are checked.

1.2c

In-Order-To search for '*Computer Science*', I will go to the menu bar **Then** select the search icon and **Then** input '*Computer Science*' into the search box.

In-Order-To find courses on '*Computer Science*', I will select the '*Are you looking for courses?*' prompt on the page.

In-Order-To find courses on '*Computer Science*', I will...

Select '*Search Courses*' **Then** input '*Computer Science*' into the search box provided.

Select '*Courses A-Z*' **Then** proceed to expand the C Tab displayed.

Select '*Courses by Subject*' **Then** proceed to select '*Engineering and Computing*.'

In-Order-To obtain information on the course, I will select a course on Computer science, **Then** go back and select another, **Then** repeat till all courses are checked.

1.2d

In-Order-To find degrees on Computer Science, I will select the '*Quick Links*' expanding menu at the top **Then** proceed to select '*Faculty of Engineering*,' **Then** I will select the '*School of Computing*' link and **Then** select the '*Undergraduate Degrees*' Box

In-Order-To obtain information on the course, I will select a course on Computer science, **Then** go back and select another, **Then** repeat till all courses are checked.

1.3 Test Cases

Locate information on '*Computer Science*' related courses by going through the home page and selecting the Course Search button on the screen. After it takes you to the Course search page, type in '*Computer Science*' into the search box and hit the search button. Afterward, select the Related courses displayed as a result of the search.

Locate information on '*Computer Science*' related courses by going through any page and selecting the '*Study*' dropdown item on the menu bar and selecting the Undergraduate option displayed. Once taken to the Undergraduate page, select the course search button displayed on the screen. After it takes you to the Course search page, type in '*Computer Science*' into the search box and hit the search button. Afterward, select the Related courses displayed as a result of the search.

Locate information on '*Computer Science*' related courses by selecting the Quick Links item at the top left on any page on Leeds.ac.uk. Afterward, select the Faculty of Engineering link displayed in the menu opened. From there, Select School of Computing to proceed to the next appropriate page. After that, select the related degree displayed on the screen under School of Computing.

1.4 Test Scenario

When the user selects the '*Study*' tab on the menu bar,

Then a drop-down menu will be displayed, Then the user will select '*Undergraduate*' from the selections,

Then the user will be taken to the '*Undergraduate page*'

When the user selects '*Course Search*',

Then they should be taken to the '*Course Search*' page.

When the user Selects a Search Options [*Search Courses* | *Courses A-Z* | *Course by Subject*]

Then the system takes the user to the matching page.

When the user types 'Computer Science' into the search box,
Then the system should display a new page containing results matching the criteria.
When the user selects a result [i.e Computer Science] from the search page,
Then they should be taken to the matching information page according to the selection made.

4.0 Test Coverage

| Node Coverage Paths | Link Coverage Paths |
|---|---|
| 1,2,3,4,5,6,7 1,2,3,8,9,6,7 1,2,3,10,11,6,7 1,12,13,14,15,6,7 1,16,17,18,3,4,5,6,7 1,19,20,3,4,5,6,7 | 1,2,3,4,5,6,7 1,2,3,8,9,6,7 1,2,3,10,11,6,7 1,12,13,14,15,6,7 1,12,13,14,5,6,7 1,16,17,18,3,4,5,6,7 1,19,20,3,4,5,6,7 |
| Model Node Coverage: 6 | Model Link Coverage: 7 |

| Test Node Coverage: | Test Link Coverage: |
|---|---|
| Nodes Covered = 7 Nodes Present = 20 Coverage = $(7 / 20) * 100 = 35$ | Paths Covered = 6 Paths Present = 25 Coverage = $(6 / 25) * 100 = 24$ |
| 35% Coverage | 24% Coverage |

| Node | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------|----|----|----|----|----|----|----|----|----|----|
| Cover | x | x | x | x | x | x | x | | | |
| Node | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Cover | | | | | | | | | | |

| Link | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 3-8 | 8-9 | 9-6 | 3-10 |
|-------|-------|------|-------|-------|-------|-------|------|------|------|-------|
| Cover | x | x | x | x | x | x | | | | |
| Link | 10-11 | 11-6 | 1-12 | 12-13 | 13-14 | 14-15 | 15-6 | 14-5 | 1-16 | 16-17 |
| Cover | | | | | | | | | | |
| Link | 17-18 | 18-3 | 16-19 | 19-20 | 20-3 | | | | | |
| Cover | | | | | | | | | | |