

## **WARNING**

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Family Name					
Given Name/s					
Student Number					
Teaching Period	Semester 1, 2019				

<b>HIT226 – Mobile Web Structures</b>	<b>DURATION</b>	
	Reading Time:	<b>10 minutes</b>
	Writing Time:	<b>180 minutes</b>
<b>INSTRUCTIONS TO CANDIDATES</b>		
<p>Answer all sections of this exam.</p> <p>There are three sections:</p> <ul style="list-style-type: none"> <li>• Section A: Multiple Choice with explanation (40 marks)</li> <li>• Section B: Short Answer (20 marks)</li> <li>• Section C: Web Analysis (40 marks)</li> </ul> <p>Answer all questions in the examination booklet provided.</p>		
<b>EXAM CONDITIONS</b>		
<p><b><u>You may begin writing from the commencement of the examination session.</u></b> The reading time indicated above is provided as a guide only.</p>		
This is a CLOSED BOOK examination		
No calculators are permitted		
No handwritten notes are permitted		
No dictionaries are permitted		
<b>ADDITIONAL AUTHORISED MATERIALS</b>	<b>EXAMINATION MATERIALS TO BE SUPPLIED</b>	
No additional printed material is permitted	1 x 20 Page Book 1 x Scrap Paper	

**THIS EXAMINATION IS PRINTED  
DOUBLE-SIDED.**

**THIS PAGE HAS BEEN INTENTIONALLY  
LEFT BLANK.**

## Section A

### Multiple Choice Questions with Short Answer

Total No of Marks for this Section: 40

Suggested time allocation for Section A: 60 mins

Answer this section in your EXAMINATION BOOKLET.

For each question, select the best option and then explain the reason for your choice.  
There are 2 marks for each question (0.5 for the correct choice; 1.5 for the explanation).

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**Section B**  
**Short Answer Questions**  
**Total No of Marks for this Section: 20**  
Suggested time allocation for Section B: 45 mins

This section should be answered in the Answer Booklet provided.  
Answer 2 questions from Code and 2 questions from Web Development

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**SHORT ANSWER: Code**

**Answer any 2 of 3 questions.**

**EITHER**

**Question 21**

Draw the DOM for this code snippet and explain the structure you have drawn.

```
<article class="card">
    <div class="card__heading">
        <h3>HIT226</h3>
    </div>
    <div class="card__contents">
        <p>A really interesting class</p>
    </div>
    <div class="card__actions">
        <button id="enrolBtn"
class="card__actions__enrol">Enrol</button>
    </div>
</article>
```

(Marks: 5)

**OR**

**Question 22**

- a) What are advantages of creating card components?  
Sketch a material card labelling the key components.

(Marks: 5)

OR

Question 23

b) View the code snippet below and answer both questions.

```
<article class="card">
  <div class="card__heading">
    <h3>HIT226</h3>
  </div>
  <div class="card__contents">
    <p>A really interesting class</p>
  </div>
  <div class="card__actions">
    <button id="enrolBtn"
class="card__actions__enrol">Enrol</button>
  </div>
</article>
```

- (i) Write a selector that will select the highlighted element using best practices.
- (ii) Write a selector the will only select h3 elements inside cards.

(Marks: 5)

**SHORT ANSWER: Web Development**

**Answer any 2 of 3 questions.**

**EITHER**

**Question 24**

*Everyone has a disability.* With this approach, how do you ensure that digital products are available to the widest possible audience.

(Marks: 5)

**OR**

**Question 25**

Draw a diagram to show how the concepts IA, ID and Microcontent are related. Explain your diagram.

(Marks: 5)

**OR**

**Question 26**

Your Web Project focused on redesigning aspects of the *CDU Study Skills* site using a Lean UX development process.

- (i) Outline 3 things you learned from the project regarding the development process you used.
- (ii) If you could do the project again, what two things would you change? Why?

(Marks: 5)

## Section C

### Analysis Questions

Total No of Marks for this Section: 40

Suggested time allocation for Section C: 60 mins

This section should be answered in the Answer Booklet provided.

Answer both questions

#### Question 27

Draw and annotate the following page. Ensure you read all the code snippets included: HTML, CSS & Javascript.

(Marks: 20)

```
<!-- exam.html -->
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0, minimum-scale=1.0">
    <title>Material cards</title>
    <link rel="stylesheet" href="styles.css">
  </head>
  <body>
    <header class="header">
      <h1>Name & Title</h1>
      <nav class="menu">
        <a id="overviewLink" href="#overview">Overview</a>
        <a id="featureLink" href="#features">Features</a>
        <a id="detailLink" href="#details">Details</a>
        <a id="techLink" href="#technology">Technology</a>
        <a id="faqLink" href="#faq">FAQ</a>
      </nav>
    </header>
    <main>
      <section class="card_content">
        
        <div class="card_contents">
          <div class="card_body">
            <h2>Features</h2>
            Dolore ex deserunt aute fugiat aute nulla ea sunt
aliqua nisi cupidatat eu. Nostrud in laboris labore nisi amet do dolor
eu fugiat consectetur elit cillum esse.
          </div>
          <div class="card_actions">
            <a href="#">Read our features</a>
          </div>
        </div>
      </section>
```



```

<section class="list_content">
  <h2>Details</h2>
  <div class="list_item">
    <div class="list_body">
      <h3>Lorem ipsum dolor sit amet</h3>
      Dolore ex deserunt aute fugiat aute nulla ea sunt
      aliqua nisi cupidatat eu. Duis nulla tempor do aute et eiusmod velit
      exercitation nostrud quis <a href="#">proident minim</a>.
    </div>
  </div>
  <div class="list_item">
    <div class="list_body">
      <h3>Lorem ipsum dolor sit amet</h3>
      Dolore ex deserunt aute fugiat aute nulla ea sunt
      aliqua nisi cupidatat eu. Duis nulla tempor do aute et eiusmod velit
      exercitation nostrud quis <a href="#">proident minim</a>.
    </div>
  </div>
  <div class="list_item">
    <div class="list_body">
      <h3>Lorem ipsum dolor sit amet</h3>
      Dolore ex deserunt aute fugiat aute nulla ea sunt
      aliqua nisi cupidatat eu. Duis nulla tempor do aute et eiusmod velit
      exercitation nostrud quis <a href="#">proident minim</a>.
    </div>
  </div>
</section>
</main>
<script src="script.js"></script>
</body>
</html>

```

|

```

/}/* Page setup */
* {
    box-sizing: border-box;
}

body {
    background-color: #f5f5f5;
    color: #616161;
}

html, body {
    margin: 0;
    padding: 0;
}

h3 {
    font-weight: normal;
}

/* Header */
.header {
    background-color: rgb(103, 58, 183);
}

.header h1 {
    text-align: center;
    color: white;
    margin: 0;
    font-size: 34px;
}

.menu {
    display: flex;
    background-color: rgb(82, 47, 144);
    height: 30px;
    align-items: center;
}

.menu--active {
    font-weight: bold;
}

.menu a {
    padding: 0 24px;
    text-decoration: none;
    text-transform: uppercase;
    color: rgba(255, 255, 255, .6);
}

/* Content */
.content {
    padding: 0;
    width: 100%;
    margin: 1px 0;
    box-shadow: 0 2px 2px 0 rgba(0, 0, 0, .14), 0 3px 1px -2px
    rgba(0, 0, 0, .2), 0 1px 5px 0 rgba(0, 0, 0, .12);
    background-color: white;
}

```

```

/* Card */
.card {
    display: flex;
    flex-direction: column;
}

.card__body {
    padding: 20px;
}

.card__actions {
    border-top: 1px solid rgba(0, 0, 0, 0.12)
}

.card__actions a {
    color: #1e3c75;
    padding: 10px;
    height: 36px;
    padding: 0 16px;
    display: inline-block;
    text-transform: uppercase;
    text-decoration: none;
    line-height: 36px;
    vertical-align: middle;
}

/* Content list */
.list {
    padding: 30px 20px;
    display: flex;
    flex-direction: column;
}

.list h3 {
    margin-left: 15px;
}

.list h3::before {
    background-color: rgb(103, 58, 183);
    border-radius: 50%;
    width: 10px;
    height: 10px;
    content: '';
    position: absolute;
    left: 0;
}

.list__item {
    display: flex;
    position: relative;
}

.list__icon {
    width: 30%;
    display: flex;
    justify-content: center;
    align-items: center;
}

```

```

.list__body {
  padding: 10px 5px;
  border-bottom: 1px solid rgba(0, 0, 0, 0.12);
}

@media (min-width: 850px) {
  .header h1 {
    text-align: left;
    padding: 40px 30px;
  }

  main {
    margin: 40px auto;
  }

  .content {
    width: 830px;
    margin: auto;
  }

  section:not(:last-of-type) {
    margin-bottom: 48px;
  }

  .card {
    flex-direction: row;
  }

  .card__image {
    width: 25%;
  }

  .list h3 {
    margin-left: 0;
  }

  .list h3::before {
    content: none;
  }

  .list__body {
    margin-left: 100px;
  }

  .list__body::before {
    background-color: rgb(103, 58, 183);
    border-radius: 50%;
    width: 60px;
    height: 60px;
    content: '';
    position: absolute;
    left: 20px;
  }
}

```

```
/*
 * script.js
 */
document.addEventListener('DOMContentLoaded', function() {
    var active = document.getElementById('featureLink');
    active.classList.add('menu--active');

    var links = document.querySelectorAll('.list__item a');
    for(var i = 0; i < links.length; i++) {
        if(i < 2) {
            links[i].parentNode.removeChild(links[i]);
        }
    }
});
```


**Question 28**

Below is a small commercial site that you have been employed to renew. Review the site using the images below and complete the following:

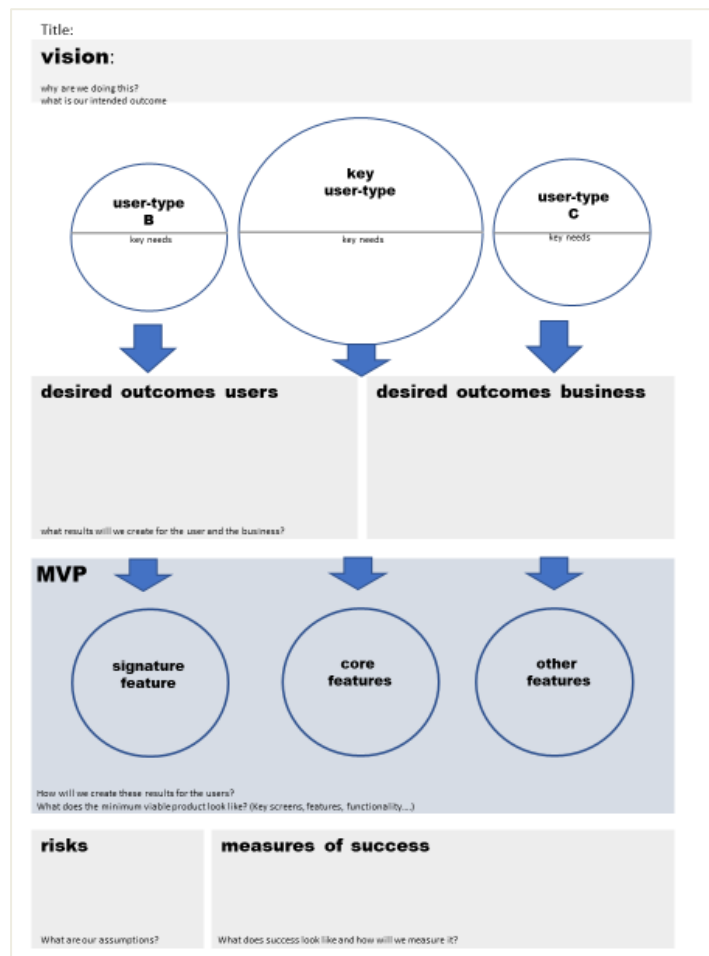
- i) Three x proto-personas for the site
- ii) A feature grid with 5 potential features
- iii) A product canvas based on your analysis

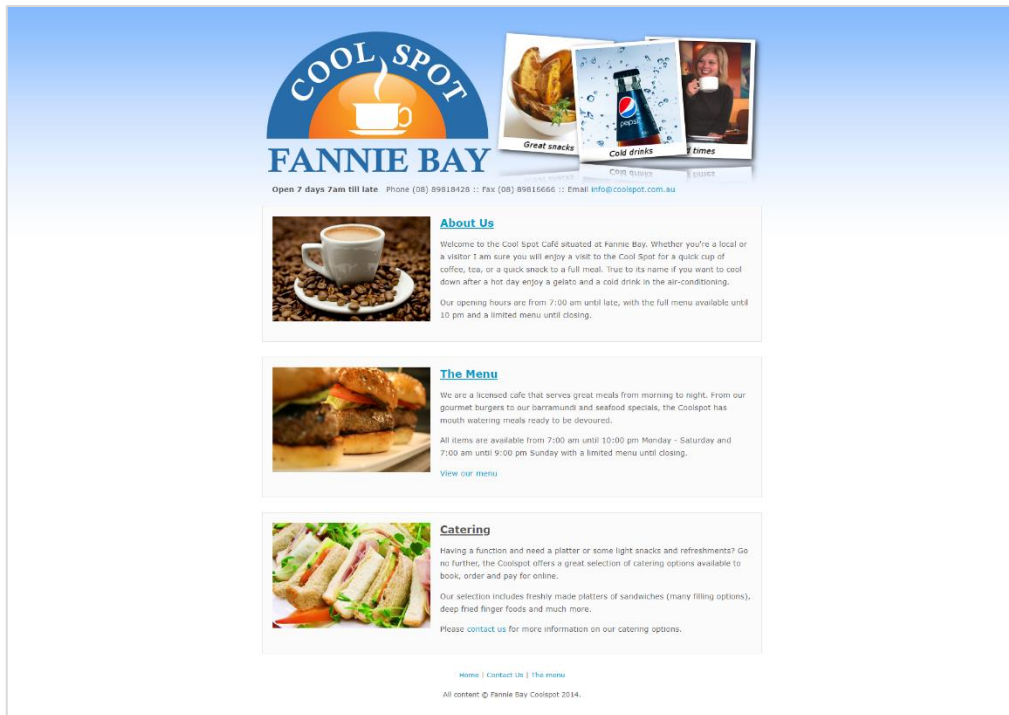
Diagrams are provided to assist with this task.

(Marks: 20)

<p><b>Who Are They?</b></p>  <p>Name:</p>	<p><b>Values and Behaviors</b></p> <p>What do they like? What matters to them?</p>
<p><b>Demographic Information</b></p> <p>Age: Education Level:</p>	<p><b>Goals and Needs</b></p> <p>What are they trying to accomplish?</p>

WE BELIEVE THAT:			
We will achieve	...if this user...	...can achieve...	...with this feature
[business outcome]	[persona]	[user outcome]	[feature]







Open 7 days 7am till late Phone (08) 89818428 :: Fax (08) 89816666 :: Email [info@coolspot.com.au](mailto:info@coolspot.com.au)



### About Us

Welcome to the Cool Spot Café situated at Fannie Bay. Whether you're a local or a visitor I am sure you will enjoy a visit to the Cool Spot for a quick cup of coffee, tea, or a quick snack to a full meal. True to its name if you want to cool down after a hot day enjoy a gelato and a cold drink in the air-conditioning.

Our opening hours are from 7:00 am until late, with the full menu available until 10 pm and a limited menu until closing.



### The Menu

We are a licensed cafe that serves great meals from morning to night. From our gourmet burgers to our barramundi and seafood specials, the Coolspot has mouth watering meals ready to be devoured.

All items are available from 7:00 am until 10:00 pm Monday - Saturday and 7:00 am until 9:00 pm Sunday with a limited menu until closing.

[View our menu](#)



### Catering

Having a function and need a platter or some light snacks and refreshments? Go no further, the Coolspot offers a great selection of catering options available to book, order and pay for online.

Our selection includes freshly made platters of sandwiches (many filling options), deep fried finger foods and much more.

Please [contact us](#) for more information on our catering options.

[Home](#) | [Contact Us](#) | [The menu](#)

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