Instruction Sheet for the Candidate

Qualification	Full Stack Developer **(Mobile App, Web & Game Development)**
Competency Standard	Write program for client side (using JS, JQuery, Angular/VUE)
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	**To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):**
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	**Identify the structure and design of web pages** 1. Identify the different components of web pages. 2. Draft Design Layouts / mockups to implement design. 3. Coordinate with Designers to Design the mockups according to the functional and non-functional requirements. **Develop features to enhance the user experience** 1. Strike a balance between functional and aesthetic design 2. Maintain the brand consistency throughout design by identifying the fixed components of webpage 3. Improve the User Experience / User Interface **Ensure optimized design for smartphones** 1. Identify different types of screens and hand-held devices 2. Implement the right framework to achieve the responsiveness 3. Implement the mockups to all screen sizes through frontend frameworks **Utilize a variety of markup languages to write web pages** 1. Identify the list of frontend frameworks that would be required to implement the frontend 2. Implement the code (HTML, CSS, JS and frameworks) to generate

	the frontend layouts using frameworks according to mockups
	3. Refine the look and feel according to the mockups by customization process
	4. Make the webpages interactive by deploying, JS, Jquery/VUE/or any framework and Ajax
	5. Implement all type of form validations through JS
	Optimize web pages for maximum speed and scalability
	1. Test the speed of loading of pages after functional requirements achieved.
	2. Optimize the loading page delays through refining logic and optimizing the image size, if needed
	3. Localize all the scripts if loading from web like online css, js and frameworks
	4. Use minified version of scripting, place scripts at the end of the page to improve efficiency and speed.

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Full Stack Developer **(Mobile App, Web & Game Development)**
Competency Standard	Write program for client side (using JS, JQuery, Angular/VUE)
Purpose of Assessment	Formative Assessment
Assessment Task	- Identify the structure and design of web pages - Develop features to enhance the user experience - Ensure optimized design for smartphones - Utilize a variety of markup languages to write web pages - Optimize web pages for maximum speed and scalability

I can………………

Performance Criteria	Yes	No
1. Identify the different components of web pages	☐	☐
2. Draft Design Layouts / mockups to implement design	☐	☐
3. Coordinate with Designers to Design the mockups according to the functional and non-functional requirements	☐	☐
4. Strike a balance between functional and aesthetic design	☐	☐
5. Maintain the brand consistency throughout design by identifying the fixed components of webpage	☐	☐
6. Improve the User Experience / User Interface	☐	☐
7. Identify different types of screens and hand-held devices	☐	☐
8. Implement the right framework to achieve the responsiveness	☐	☐
9. Implement the mockups to all screen sizes through frontend frameworks	☐	☐
10. Identify the list of frontend frameworks that would be required to implement the frontend	☐	☐
11. Implement the code (HTML, CSS, JS and frameworks) to generate the frontend layouts using frameworks according to mockups	☐	☐

12. Refine the look and feel according to the mockups by customization process		
13. Make the webpages interactive by deploying, JS, jQuery/VUE/or any framework and Ajax		
14. Implement all type of form validations through JS		
15. Test the speed of loading of pages after functional requirements achieved.		
16. Optimize the loading page delays through refining logic and optimizing the image size, if needed		
17. Localize all the scripts if loading from web like online CSS, js and frameworks		
18. Use minified version of scripting, place scripts at the end of the page to improve efficiency and speed.		

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Full Stack Developer **(Mobile App, Web & Game Development)**
Competency Standard	Write program for client side (using JS, JQuery, Angular/VUE)
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	**COMPETENT** ☐ **NOT YET COMPETENT** ☐ **Name of the Assessor**_____ **Assessor's code:** _____ **Signature:** _____

Assessment Summary (to be filled by the assessor)							
Activity	**Method**					**Result**	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	• Identify the structure and design of web pages • Develop features to enhance the user experience • Ensure optimized design for smartphones • Utilize a variety of markup languages to write web pages • Optimize web pages for maximum speed and scalability		
During the practical assessment, candidate demonstrated the following:	**Yes**	**No**	**Remarks**
1. Identify the different components of web pages			
2. Draft Design Layouts / mockups to implement design			
3. Coordinate with Designers to Design the mockups according to the functional and non-functional requirements			
4. Strike a balance between functional and aesthetic design			
5. Maintain the brand consistency throughout design by identifying the fixed components of webpage			
6. Improve the User Experience / User Interface			
7. Identify different types of screens and hand-held devices			
8. Implement the right framework to achieve the responsiveness			
9. Implement the mockups to all screen sizes through frontend frameworks			
10. Identify the list of frontend frameworks that would be required to implement the frontend			
11. Implement the code (HTML, CSS, JS and frameworks) to generate the frontend layouts using frameworks according to mockups			
12. Refine the look and feel according to the mockups by customization process			
13. Make the webpages interactive by deploying, JS, Jquery/VUE/or any framework and Ajax			
14. Implement all type of form validations through JS			
15. Test the speed of loading of pages after functional requirements achieved.			
16. Optimize the loading page delays through refining logic and optimizing the image size, if needed			

17.	Localize all the scripts if loading from web like online css, js and frameworks			
18.	Use minified version of scripting, place scripts at the end of the page to improve efficiency and speed.			
Competent ☐			**Not Yet Competent** ☐	

Knowledge Assessment

Qualification	**Full Stack Developer (Mobile App, Web & Game Development)**
Competency Standard	Write program for client side (using JS, JQuery, Angular/VUE)
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	**COMPETENT** ☐ **NOT YET COMPETENT** ☐ Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	**Satisfactory**	**Not Satisfactory**
1. Name any three components of a webpage.		
2. What is meant by responsiveness?		
3. What is meant by form validation in a web application?		

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4.	What is meant by scripting?		

Feedback to the Candidate
Candidate's Signature_____ **Assessor's Signature** _____