

Instruction Sheet for the Candidate

Qualification	Android Developer (Mobile App, Web & Game Development)
Competency Standard	Program/use background applications
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____
	Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Run background tasks • Authorize/ Use APIs in code • Mange notifications • Make Application for backward compatible
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Run background tasks</p> <ol style="list-style-type: none"> 1. Add background threads to run a task in the background. 2. Enable app to connect to the internet using a background task. 3. Update task keeps running if the user changes their device's orientation. 4. Responds to a system broadcast. 5. Send and receive a custom broadcast. 6. Use JobScheduler to schedule tasks in a way that reduces battery drain. 7. Schedule and cancel an alarm. 8. Create code to integrate API <p>Authorize/ Use APIs in code</p> <ol style="list-style-type: none"> 1. Authorize API 2. Use REST API 3. Use Google APIs <p>Mange notifications</p> <ol style="list-style-type: none"> 1. Send a notification. 2. Update a notification. <p>Make Application for backward compatibility</p> <ol style="list-style-type: none"> 1. Use Android Support libraries 2. Use support libraries to get backward compatible version of new Android features

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Android Developer (Mobile App, Web & Game Development)
Competency Standard	Program/use background applications
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> • Run background tasks • Authorize/ Use APIs in code • Mange notifications • Make Application for backward compatible

I can.....

Performance Criteria	Yes	No
1. Add background threads to run a task in the background.	<input type="checkbox"/>	<input type="checkbox"/>
2. Enable app to connect to the internet using an background task.	<input type="checkbox"/>	<input type="checkbox"/>
3. Update task keeps running if the user changes their device's orientation.	<input type="checkbox"/>	<input type="checkbox"/>
4. Responds to a system broadcast.	<input type="checkbox"/>	<input type="checkbox"/>
5. Send and receive a custom broadcast.	<input type="checkbox"/>	<input type="checkbox"/>
6. Use JobScheduler to schedule tasks in a way that reduces battery drain.	<input type="checkbox"/>	<input type="checkbox"/>
7. Schedule and cancel an alarm.	<input type="checkbox"/>	<input type="checkbox"/>
8. Create code to integrate API	<input type="checkbox"/>	<input type="checkbox"/>
9. Authorize API	<input type="checkbox"/>	<input type="checkbox"/>
10. Use REST API	<input type="checkbox"/>	<input type="checkbox"/>
11. Use Google APIs	<input type="checkbox"/>	<input type="checkbox"/>
12. Send a notification.	<input type="checkbox"/>	<input type="checkbox"/>

13. Update a notification.	<input type="checkbox"/>	<input type="checkbox"/>
14. Explore Android Support libraries	<input type="checkbox"/>	<input type="checkbox"/>
15. Use support libraries to get backward compatible version of new Android features	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	Android Developer (Mobile App, Web & Game Development)
Competency Standard	Program/use background applications
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	<p>COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/></p> <p>Name of the Assessor _____</p> <p>Assessor's code: _____</p> <p>Signature: _____</p>

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		<ul style="list-style-type: none"> • Run background tasks • Authorize/ Use APIs in code • Mange notifications • Make Application for backward compatible 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Add background threads to run a task in the background.			
2.	Enable app to connect to the internet using a background task.			
3.	Update task keeps running if the user changes their device's orientation.			
4.	Responds to a system broadcast.			
5.	Send and receive a custom broadcast.			
6.	Use JobScheduler to schedule tasks in a way that reduces battery drain.			
7.	Schedule and cancel an alarm.			
8.	Create code to integrate API			
9.	Authorize API			
10.	Use REST API			
11.	Use Google APIs			
12.	Send a notification.			
13.	update a notification.			
14.	Explore Android Support libraries			
15.	Use support libraries to get backward compatible version of new Android features			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Android Developer (Mobile App, Web & Game Development)
Competency Standard	Program/use background applications
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<p>COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/></p> <p>Name of the Assessor: _____</p> <p>Assessor's code: _____</p> <p>Signature of the Assessor: _____</p>

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.	Define threads. 		
2.	How to create notifications? 		
3.	How to minimize battery drain?		

