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Informatics Institute of Technology

Mobile Application Development

5COSC011C

Formative Assessment - 2

Report

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What is a vector class?

The class vector implements a growable array of objects which contains components that can be accessed using the array integer index. Even after creating the vector, we can add or remove components. The array will grow and shrink.

What is a vector image?

A vector image is basically an image which can be used. Further information, a vector graphic is defined in the xml file as lines, curves, set of points with its color information. So, if the display size changes, there won’t be any pixel issues like in image files.

Why do we need vector?

Nowadays there are many new android devices coming in many different display sizes. If we include an image which is compatible with only one display size, it won’t be compatible with other display sizes and its impossible to make separate versions for all. So, in android lollipop and after versions, they use vector images so they will be compatible with all display sizes.

How to add vectors?

There are some predefined vectors which are available in android studio. Also there are predefined material design vectors. We can import our own SVG as vector as well.



