University of Bristol Information Services

Creative image manipulation using Photoshop

Practical workbook

Aims and Learning Objectives

This document aims to introduce the basics of image processing using Adobe Photoshop.

When you have completed these exercises, you should be able to:

- retouch a damaged photograph;
- make selections using a variety of tools;
- adjust the hue and saturation of colours within an image;
- blend images to create a seamless montage;
- add and edit text.

Document information

Course files

This document and all its associated practice files are available on the web. To find these, go to www.bristol.ac.uk/is/learning/resources and in the **Keyword** box, type the document code given in brackets at the top of this page.

Related documentation

Other related documents are available from the web at:

http://www.bristol.ac.uk/is/learning/resources

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Introduction

There is little doubt that the use of digital images in learning, teaching and research projects is growing. Typical uses include: supporting lectures and other presentations; creating Web-based instruction and creating digital image archives. Another aspect of digital images is that they can be delivered on a variety of supports: PowerPoint, Web, image database, CD-ROM, and print. It is therefore important to be familiar with image digitisation processes in order to obtain images that will be 'fit for purpose'.

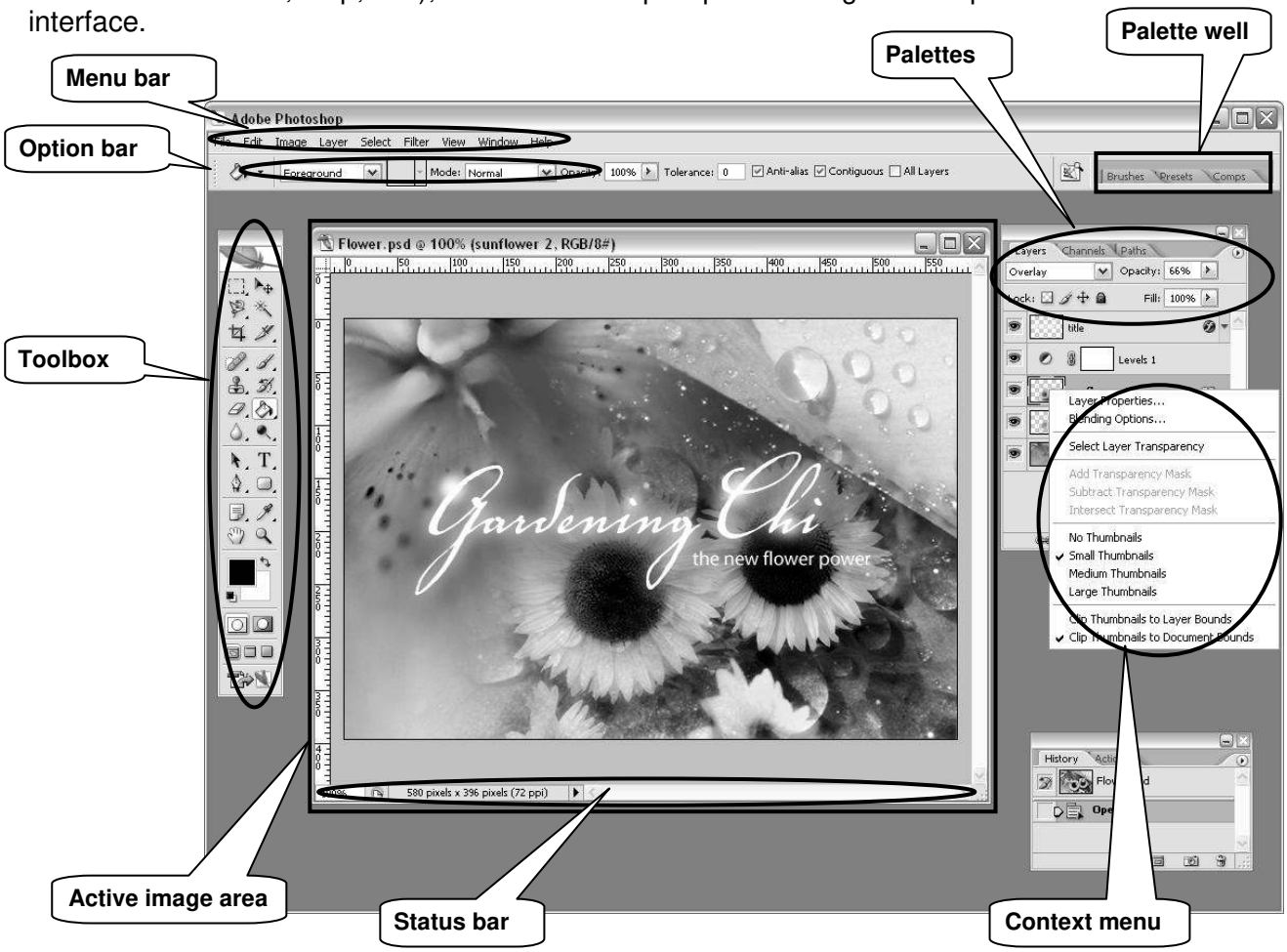
This document shows you how to apply image enhancement techniques using Adobe Photoshop CS2.

Prerequisites

This document assumes that you are familiar with the use of a computer keyboard and mouse, Microsoft Windows-based products and the use of a Web browser such as Netscape or Internet Explorer.

Introduction to Photoshop

Photoshop is the ultimate Swiss army knife for all your imaging needs, from basic to highly sophisticated image editing. For example you can simply enhance a photograph (remove red eye effect and scratches, crop, etc.), or create a complex photo collage or a sophisticated Web interface.



The main components of the Photoshop work area are:

- **Menu bar** - contains menus organised by tasks. For example, the **Layers** menu contains commands for working with layers.
- **Toolbox** - contains tools for creating and editing images.
- **Options bar** – provides options for the currently active tool.
- **Active image area** (also called **Document window**) – displays the active open file. Several images can be open at the same time, but only one can be active at a time.
- **Palettes** – help you monitor and modify images. They can be nested by dragging the title tab of one into the body of another. Use the **Window** menu to show/hide palettes

Other useful elements are:

- **Palette well** – helps you organize the palettes in your work area.
- **Status bar** – located at the bottom of every document window, it displays useful information about the image and brief instructions for using the active tool.
- **Context menu** – display commands relevant to the active tool, selection, or palette. You access them by right-clicking on an image or palette item.

The **Toolbox**, **Palettes** and **Active image area** can easily be moved around the workspace by clicking the top bar and dragging them.

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