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window (See Fig 1.0 page 2). To begin, using the left mouse button double click on the SolidWorks icon on the PC desktop screen to open the program. If there is no icon

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visible the program can be started through Start - All Programs - SolidWorks 2006. You can access commands in SolidWorks using menus, toolbars and the mouse.

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- SOLIDWORKS

will take advantage of multi core and multi CPU architectures. Typically these processors give about a 10-15% increase in performance. •

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advantage multi
core and multi
CPU

architectures.

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minimum. • RAID

0 configuration

if drive speed

is critical.

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Software 3

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Dumbell is not
spelled

correctly. It is
supposed to have
two "b's". 1

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CAD product
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engineering
software.

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SP05 To disable

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software.

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Guide This
document
describes how to

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install
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Server and the
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client software,
and GZ filter,
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upgrade, backup,
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to provide you

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information on
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and categories
that are aligned
with the exam.
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you take and
pass the CSWP
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is organized
into three

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available,

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topics not on

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third and

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to get you from

where you are

today to the

point that you

can confidently

pass all three

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1, Lesson 2 and

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1 to become

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some of the

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and features

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provides

detailed

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individual stand-

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department
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manufacturers.

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SolidWorks every
day and his
responsibilities
go far beyond
the creation of

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just a 3D model.

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starts where
Beginner's Guide
- Level I ends,
following the
same easy to
read style and
companion video
instruction, but
this time

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an assembly and

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components (Top-
down design),
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changes with
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parametric
capabilities,
mold design,
welded
structures, and
more while
explaining the
basic concepts

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how and why of

each operation.

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to allow you to

better

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well as to make

it easier to

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many less
frequently used
commands and
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are most of the

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website, and

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some, as well as
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new users learn
the basic
concepts of
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good solid
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techniques in an
easy to follow
guide that

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includes video

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the most commonly used commands for part modeling, assembly and detailing after completing a series of components and their 2D drawings complete with Bill of Materials. The

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commands
required in the
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Professional
Exams as listed
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SolidWorks model
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exam. The book
is divided into
three sections.

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Chapters 1 - 6

explore the
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parts, simple
and complex
assemblies,
proper design
intent, design

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tables,
configurations,
multi-sheet,
multi-view

drawings, BOMs,
Revision tables
using basic and
advanced
features.

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components,
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design intent,
design tables
and
configurations.
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outcomes and
usage
competencies are

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chapter. Know your objective up front. Follow the steps in each chapter to achieve your design goals.

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represent how
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SolidWorks in
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CSWSA-FEA is
written to
assist the
SOLIDWORKS user
to pass the
associate level
exams.

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provided to aid
a person to pass
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SOLIDWORKS
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(CSWA),
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SOLIDWORKS
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The Certified
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indicates a foundation in and apprentice knowledge of 3D CAD design and engineering practices and principles.

Passing this exam provides students the chance to prove their knowledge

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and expertise
and to be part
of a worldwide
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graphics, manual

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techniques,

orthographic

projection,

Third vs. First

angle

projection,

multi-view

drawings,

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practices (ASME

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standard), line type, fit type, tolerance, fasteners in general, general thread notes and the history of CAD leading to the development of SOLIDWORKS. Chapters 4 - 9 explore the SOLIDWORKS User Interface and

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parts, simple

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assemblies,

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and Revision

tables using

basic and

advanced

features. Follow

the step-by-step

instructions in

over 80

activities to

develop eight

parts, four sub-

assemblies,

three drawings

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models. Chapter

11 provides a

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and its benefits

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features,
commands, and
tools using the
video
instruction and
SOLIDWORKS Help.
The chapter
exercises
analyze and
examine usage
competencies
based on the
chapter
objectives. The

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book is designed to complement the SOLIDWORKS Tutorials located in the SOLIDWORKS Help menu. Desired outcomes and usage competencies are listed for each project. Know your objectives up front. Follow

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SOLIDWORKS in industry. The author developed the industry scenarios by combining his own industry experience with the knowledge of engineers, department managers, vendors, and manufacturers.

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assemblies and
drawings. Every
lesson and
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book was created
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projects have
been broken down
and developed
into easy and
comprehensible
steps for the

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This book is for the beginner, who is not familiar with the SolidWorks program and its add ins.

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Part II -
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Techniques picks
up where
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Tools leaves off. Its aim is to take you from an intermediate user with a basic understanding of SolidWorks and modeling techniques to an advanced user capable of creating complex

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models and able
to use the
advanced tools
provided by
SolidWorks. The
text covers
parts, surfaces,
SimulationXpress
, sheet metal,
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assemblies and
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assemblies that
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plastic and

sheet metal
components.

Formulate the
skills to

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sketches and
solid features.
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symmetry,
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components,
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Configurations.

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techniques along
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features,

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professionals
are directly
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day. Their
responsibilities
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the creation of

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