



Quality Control Career

Nguyễn Văn Hương
Testing Manager

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CSC Vietnam Introduction

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Established in 1995 as PSV (Paragon Solutions Vietnam)

- Joined FCG in Jan 2003
- Joined CSC in Jan 2008

Tier 1 company Servicing global customers and the domestic market with large range of solutions and services

World-class software development delivery center

- Proven capability - 20 years experience in delivering commercial applications/products to clients worldwide using new technologies
- Provide full lifecycle software development services
- Core competencies: Java/J2EE, .NET/SharePoint, C/C++, C#, Cobol, Visual Basic, ASP, HTML, XML, Testing/Test Automation, MS SQL, Oracle, SAP Implementation, Mobility

Offices



2 Office Locations in Ho Chi Minh City

First company in Vietnam to achieve CMMI level 5 latest version 1.2 and Security standard ISO 27001 certificates.



Working Area



Meeting Room



Training Room

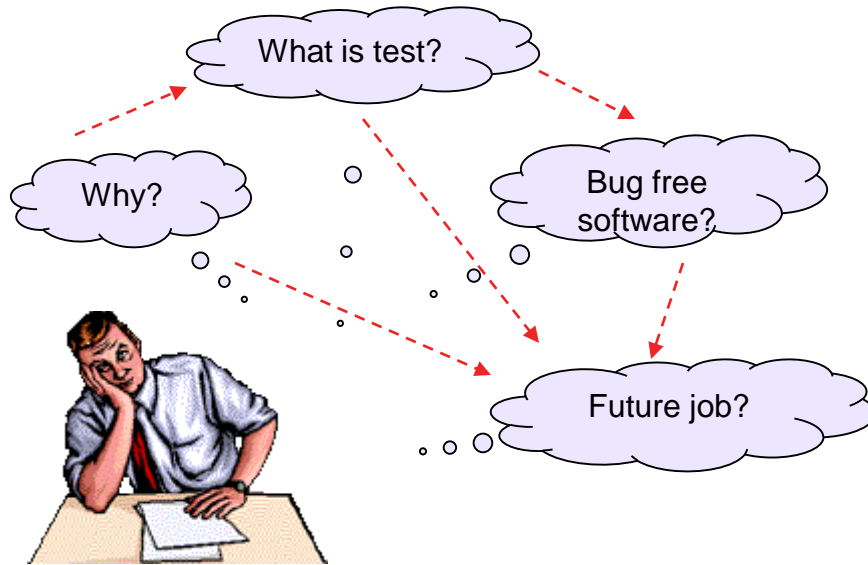


Server Room



Discussion

Discussion



- Have you heard of software bugs? Does this embarrass you as a future software engineer? Why?
- Where does testing occur in the software development process?
- Do you think bug free software is attainable? Why?
- Do you know any problem happened in real life because of software bug?

A grayscale background image showing a pair of hands holding a large, curved document or folder. The hands are positioned in the center-left of the frame. A large, semi-transparent purple rectangle is overlaid on the right side of the image, containing the title text.

Importance of Software Testing

Year Ambiguities

- In 1992, Mary Bandar received an invitation to attend a kindergarten in Winona, Minnesota, along with others born in '88. Mary was 104 years old at the time.



- **Problem:** it was programming problem when counter is over 100. And her age was interpreted as 4

Importance of Software Testing (cont.)

SOME STORIES

Bank Generosity

A Norwegian bank ATM consistently dispersed 10 times the amount required. Many people joyously joined the queues as the word spread

=> **Result:** The bank lost 2 billion British pounds! They eventually recovered the funds but lost half a million pounds in potential interest



Military Aviation Problems

- An F-18 crashed because of a missing exception condition:
if ... then ... without the *else* clause that was thought could not possibly arise.

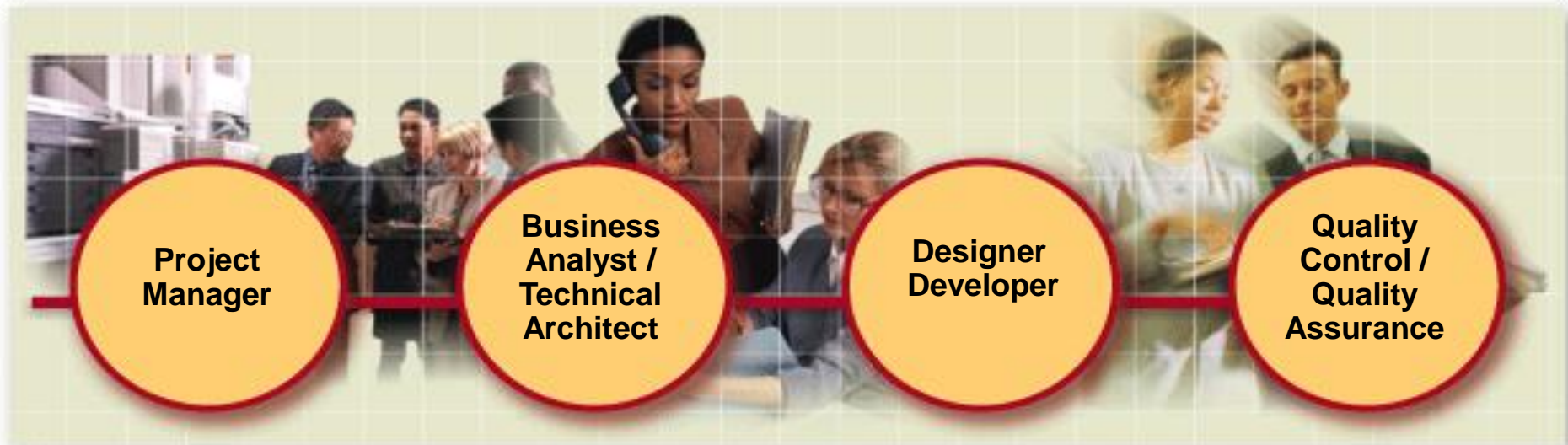


A grayscale background image showing a close-up of a person's hands holding a large, curved document or folder. The person is wearing a ring on their left hand. The image is slightly blurred, focusing on the hands and the document.

How tester involved to software project

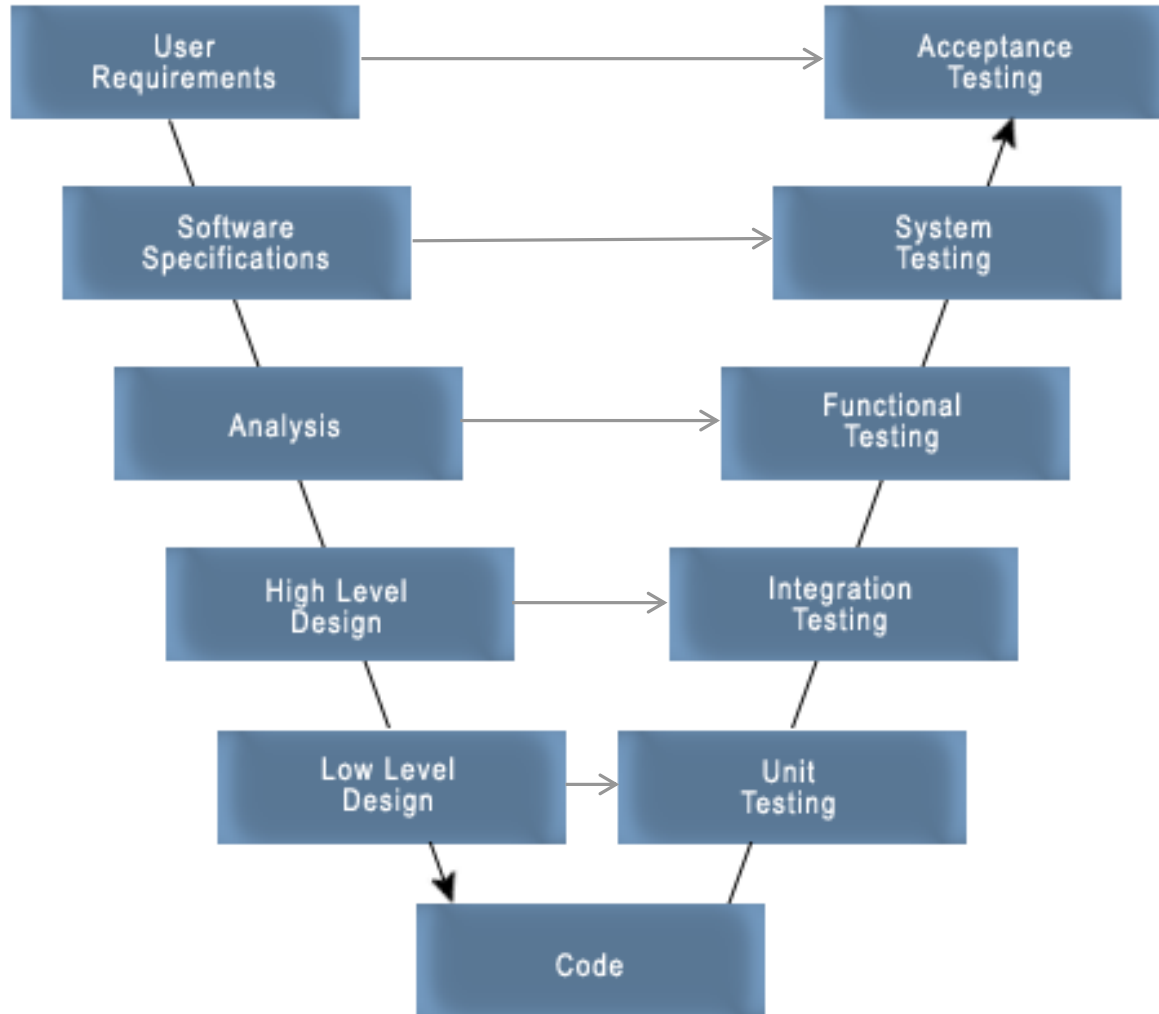
How tester involved to software project


ROLES DEFINED IN A SOFTWARE PROJECT



How tester involved to software project (cont.)

V-Model



A grayscale background image showing a close-up of a person's hands holding an open book. The person is wearing a ring on their left ring finger. The book is open, and the pages are visible. The image is slightly blurred, focusing on the hands and the book.

What students need to prepare for future Software Testing job

WHAT DOES INTERVIEWER EXPECT FROM QC CANDIDATES?

Technical background

Understand Process

Teamwork skill?

Logic Thinking

Confident

Creative?

English communication

Explorers?

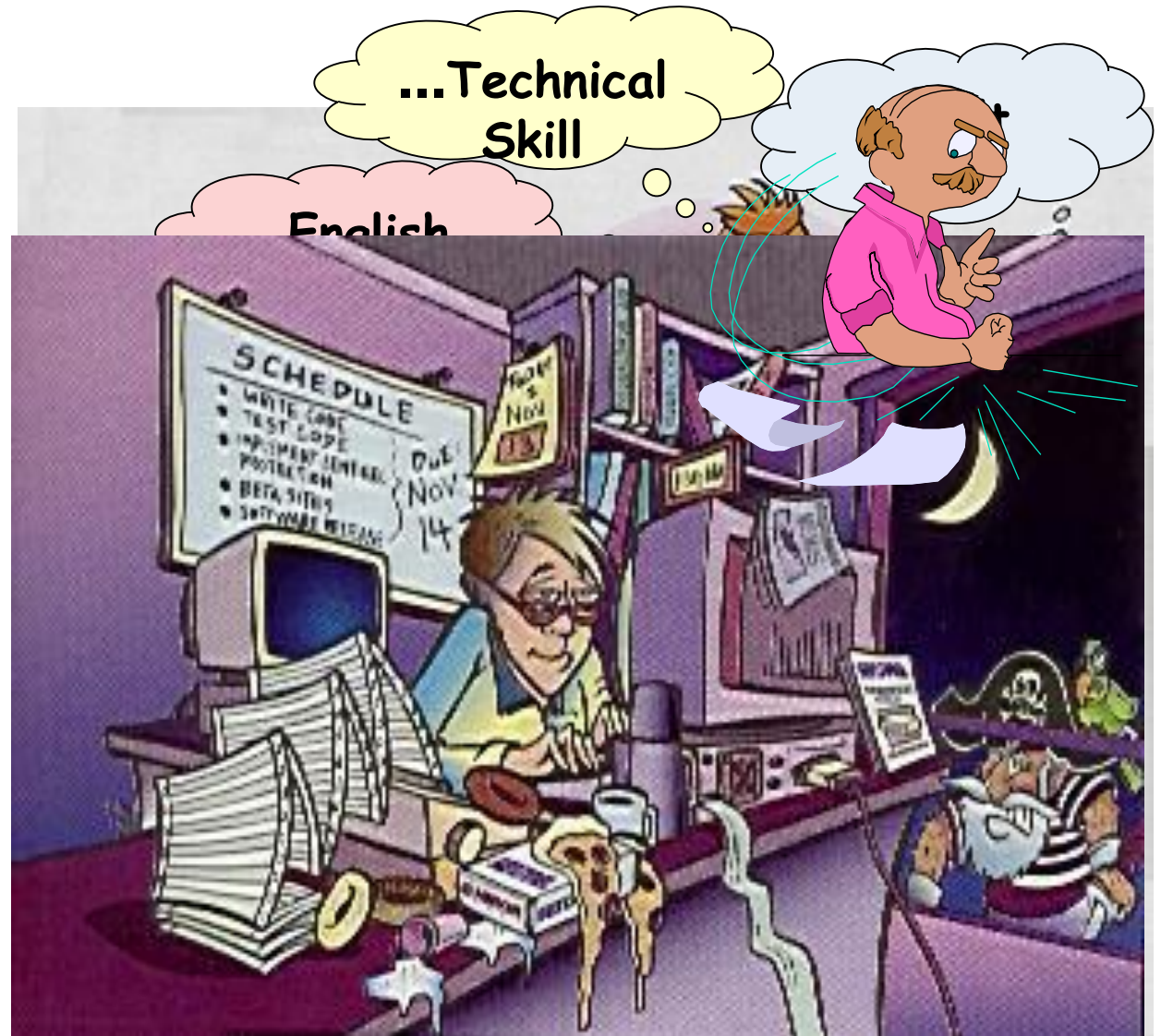
Tactful and diplomatic

Persuasive

Perfectionists (within reason)?



PREPARE FOR YOUR FUTURE JOB



A grayscale background image showing a person's hands holding a large, curved document or folder. The person is wearing a ring on their finger. The image is slightly blurred, focusing on the hands and the document.

Testing Market: TREND & OPPORTUNITY

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Industrialize Testing
**FASTER TIME TO
MARKET**

INCREASE PRODUCTIVITY
Lead by Test Innovation

**ENHANCED
SKILLS**

Blue Ocean
**TEST ANYTHING AS A
SERVICE**

**TOP
TRENDS**



CLOUD



MOBILITY



SECURITY



PACKAGED
APPS



MARKET OPPORTUNITY FOR QC CAREER

- Attractive offshore destination for software testing
 - Top 10 Global Outsourcing Services Countries
 - The most attractive non-Indian destination city for off shoring
- IT industry is the government's focused industry
 - They plan to develop Vietnam as a top IT country by 2020
- 20% IT industry growth/year (25% software sector growth)
- ~ 1,000 software companies with >50,000 resources
- High recruitment demand for Software Testing
 - Current: 6,000 Testers => Demand forecast: need 10,000 Testers
- Software Testing: Open opportunity for people from different industries
- High career development opportunity



INTERNATIONAL TESTING CERTIFICATIONS



CSC VIETNAM TRAINING FOR SOFTWARE TESTING

- **In-house training:**
 - QC Fresher Training
 - QC Mini Training program
- **Role-base training:**
 - Process training
 - Technical training
 - Domain knowledge training
 - Softskill training
 - Online courses from Skillport
- **Out-house training activities**
 - Compose and conduct training Software Testing for Universities



Now, prepare well... For a future success





Q&A



Thank You



BUSINESS SOLUTIONS
TECHNOLOGY
OUTSOURCING