

Youth internship Program

IT Expert System Inc

www.itexps.com



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IT Expert System, INC

Your one stop for your ALL your IT needs

OUR VISION



Be the #1 preferred IT training & staffing provider in the Chicago community and expand our offerings to world-wide market.

IT TRAINING



- Management Training
- Technical Training
- Corporate Training
- Online Training using WebEx
- Internship Program
- Coding Bootcamp
- Youth Training [Elementary, Middle, High School]

STAFFING



- Management Training
- Technical Training
- Resume preparation Support
- Job Interview preparation
- Corp to Corp
- Contract to Hire
- Full time placement
- H1B Sponsorship
- Internship Programs
- OPT Internship Program
- Career Guidance

SERVICES



- Website Development
- Cloud Computing
- Software Architecture Design
- Cloud Hosting
- Project Work
- Network Setup



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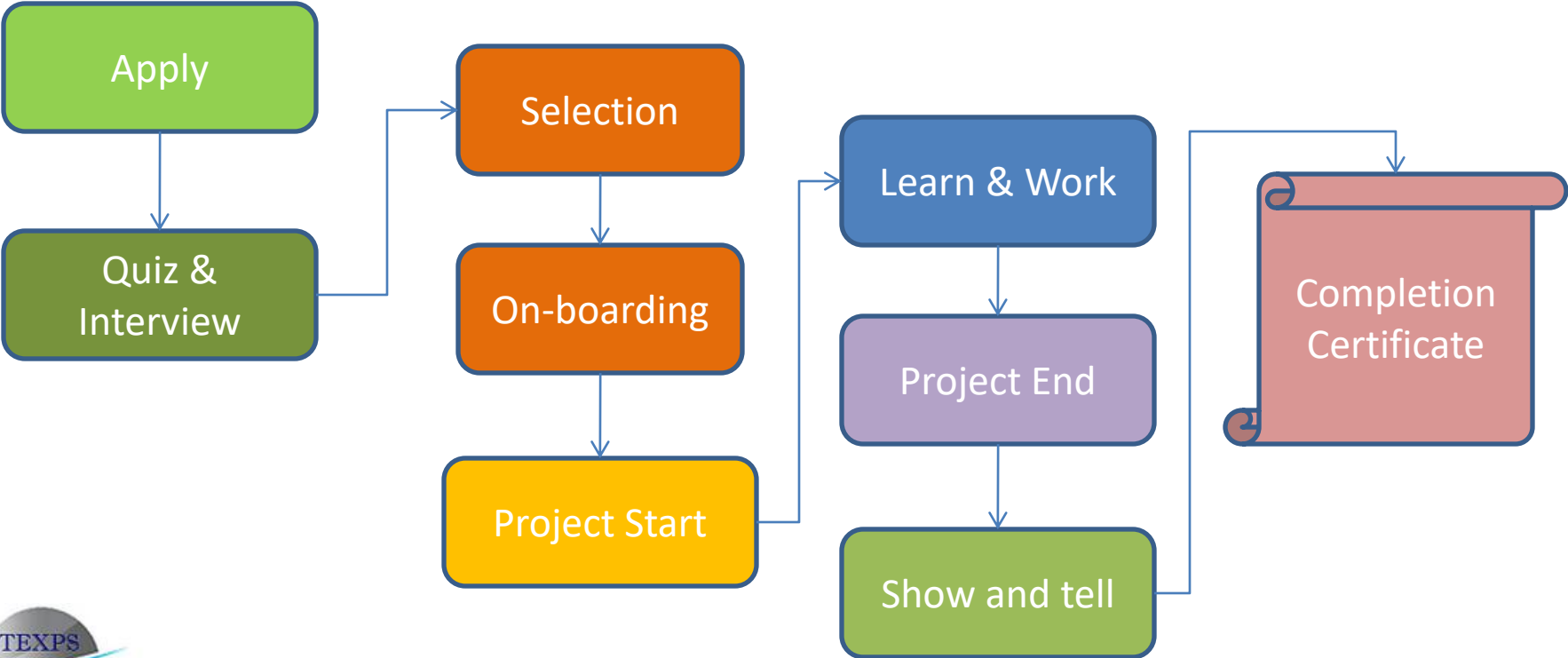
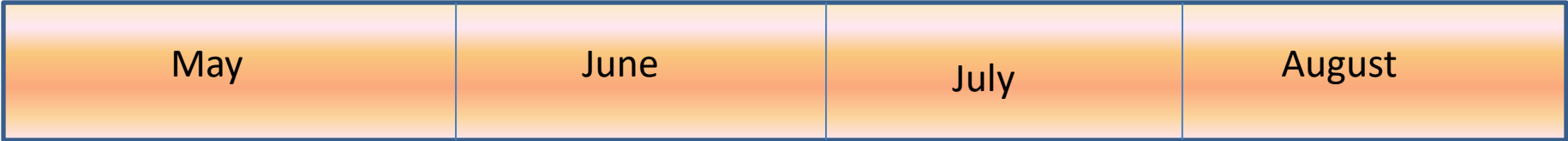


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Timeline Review



Internship Quiz

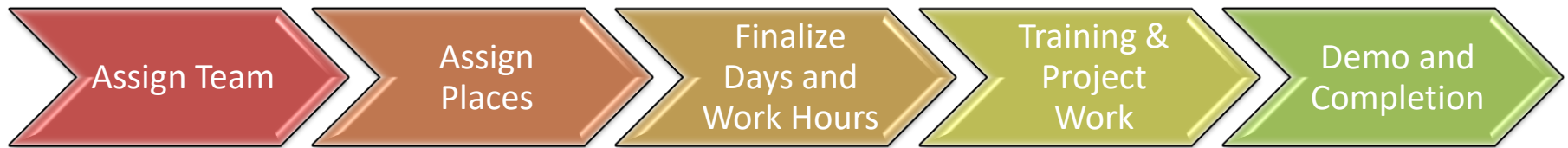


Selection Criteria:

- Programming Knowledge/Interest
- Creative Thinker
- Problem Solver
- Leadership Ability
- Presentation Skills
- Quick Learner
- Team Player

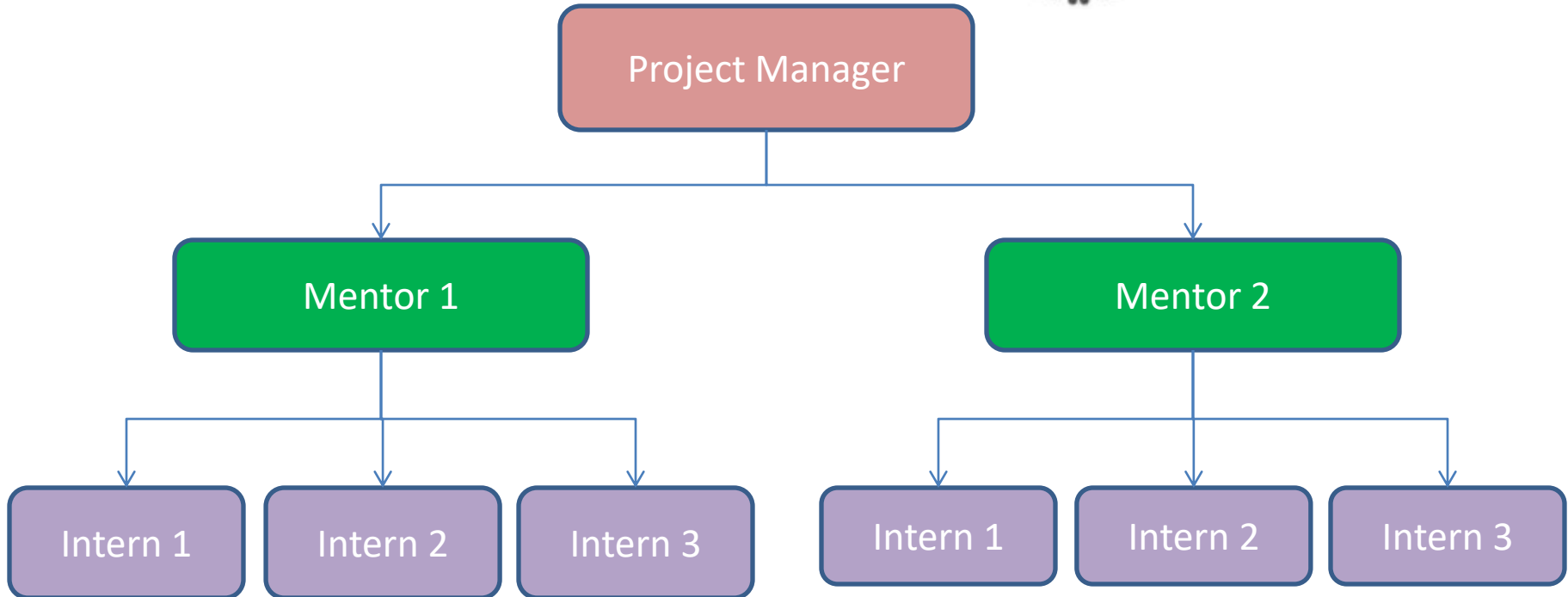
Interview (1-0-1)





<http://www.itexps.net/internship-programs>

Project Team Structure



Project Ideas

P1. Android based Native Mobile Application
Native Job Search Application

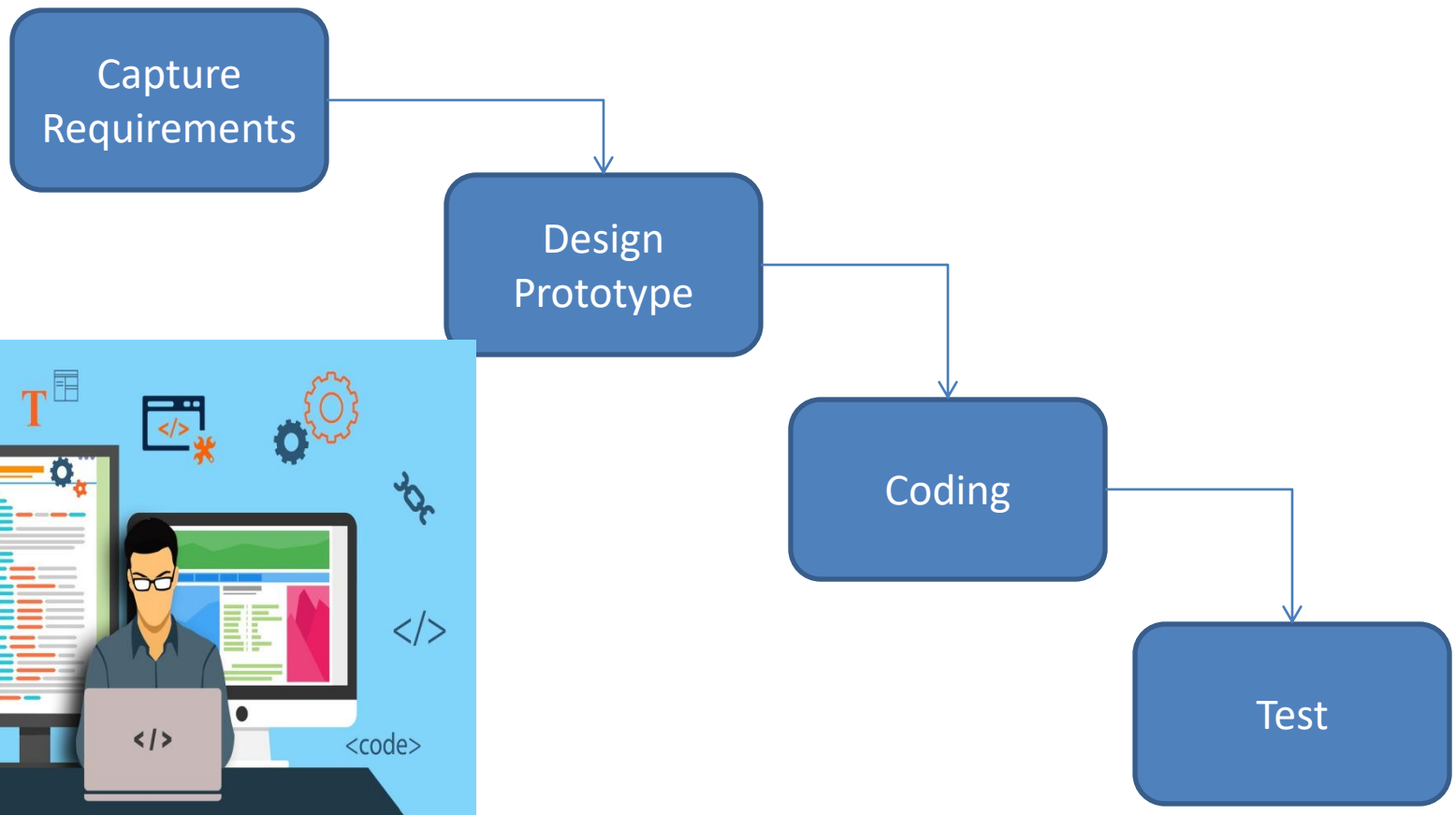
P2. Responsive Web Application/ Module

P3. Data Analytics Module

P4. Business Improvement



Developing a Mobile/Web App



Before you start

- Setup Laptop
- Install Android Studio
- Setup Physical and Virtual Devices
- Setup Version Control

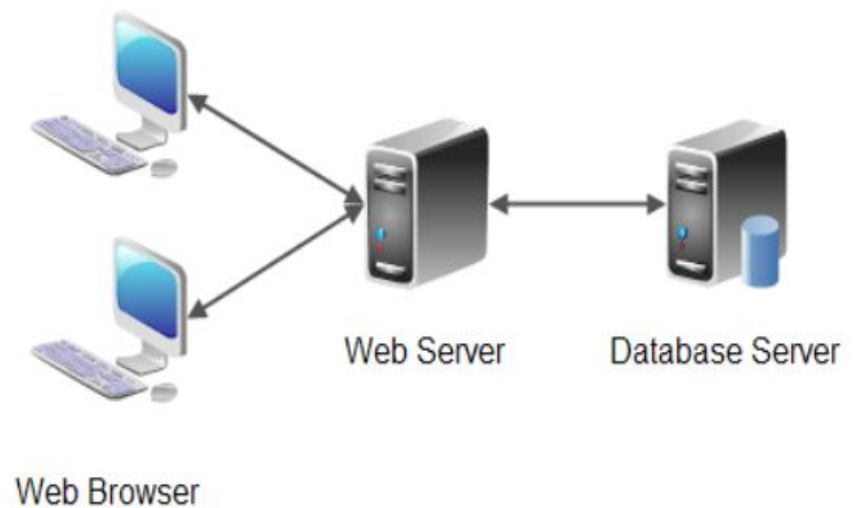


Conceptualize

- Understand Requirements
- Design Prototype
- Understand and implement Material Design concepts
- User interface – Activities, Layouts and Menus
- Identify main Components and interactions

Architect

- User Interface
- Application Logic
- Service Layer
- Persistence
- Security
- Performance



Code

- Create a Project in Android Studio / Eclipse
- Write code for each component

User Interface

- Activities
- Layouts
- Menu
- Implement multiple screens using Intents

Background Processing

- Implement Threads
- Add AsyncTasks

Fetching Data

- Build URL
- Connect to Internet
- Fetch an HTTP Request

User Preferences

- Creating and managing user profile and preferences

Understand and implement Android Lifecycle

- Implement Lifecycle events for activities
- Save and Restore Instance State
- Persisting state data
- Application Termination

Verification

- Choose devices to test the App on
- Create virtual Devices
- Connect Physical devices
- Deploy code on devices and perform testing
- Test functionality
- Test Responsiveness
- Test for usability



Methodology

- Iterative and Incremental
- Stand-ups
- Frequent reviews
- Weekly status reviews
- Issue escalation and resolution (Issue Tracking)
- Defect Prevention
- Tools – Jira, Microsoft Office