Here is an exhaustive, sentence-by-sentence **study note breakdown** of the document titled **“122. Managing macOS Applications.docx.”** This breakdown is crafted for mastery of **CompTIA A+ 220-1102 Objective 1.8**, which covers macOS features and application management.

**🧠 Study Notes – Managing macOS Applications**

**🧭 What You Will Learn**

* Understand:
  + **Where macOS apps come from**
  + **Installation file types**: .dmg, .pkg
  + **How to uninstall apps**

**🏪 The Mac App Store**

* A centralized platform where:
  + Apple and developers distribute apps (free and paid)
* Always active in the background:
  + Handles system and app updates
* Accessible via:
  1. Apple logo > **App Store**
  2. Spotlight (Cmd + Space) > **App Store**

**🧭 Navigating the App Store**

* **Discover tab**: Highlights featured apps
* **Category tabs** include:
  + Arcade, Create, Work, Play, Develop
* **Updates tab**:
  + Lists apps with available updates
  + If no updates are available, it shows “All apps up to date”

**👤 Apple ID Integration**

* Required for app installation and updates
* Can view/change account at the bottom of App Store window
* **Purchase history** is saved to Apple ID
* Apps can be:
  + Re-downloaded
  + Reinstalled anytime without paying again

**🧰 Installing Apps via App Store**

* **Free apps** labeled as “Get”
  + May include **in-app purchases** (freemium model)
* **Paid apps** display the price (e.g., $4.99 for Folder Tidy)
* To install:
  + Click “Get” → “Install” → Enter Apple ID credentials
  + App auto-installs and changes button to “Open”

✅ App appears in **Applications folder** after install.

**⚠️ Not All Apps Are on the App Store**

* Developers may avoid the App Store due to:
  + Apple’s revenue cut
  + Annual developer fees
* In such cases, apps are downloaded directly from the **developer’s website**

**📂 Installation File Types Outside the App Store**

Two common macOS install formats:

**1. .pkg – Package Installer**

* Example: **GoogleChrome.pkg**
* Installation Steps:
  1. Double-click .pkg file
  2. macOS launches a **guided installer wizard**
  3. Choose install location (usually default Macintosh HD)
  4. Requires **admin credentials**
  5. After install:
     + You may delete .pkg file
     + Option to move it to trash automatically

📌 Installer copies necessary files, cleans up leftovers.

**2. .dmg– Disk Image File**

* Example: **gimp-2.10.dmg**
* Steps to install:
  1. Double-click .dmg to **mount it like a USB drive**
  2. Open mounted window
  3. Drag app into **Applications shortcut**
  4. Enter admin credentials when prompted
  5. File copies into Applications folder
  6. Unmount .dmg by dragging to trash (which turns into “Eject”)

💡 .dmg remains in Downloads until deleted manually.

**🗑️ Uninstalling Applications**

**Manual Uninstall (for all apps)**

1. Open **Applications folder**
2. Right-click app > **Move to Trash**
3. Enter **admin credentials**
4. App is deleted and appears in trash
5. Optionally, **Empty Trash** to permanently remove

✅ Works for both App Store and manually installed apps.

**Reinstalling from .dmg**

1. Open Downloads
2. Double-click .dmg
3. Drag app icon into **Applications**
4. Enter admin password
5. App copies over and is ready to launch

✅ Don’t forget to **unmount the .dmg** from desktop

**App Store Uninstall Method**

* Open App Store > Click on **your name/account**
* View list of downloaded/purchased apps
* Click the **three dots** next to an app
  + Options: **Hide Purchase** or **Delete App**
* If you choose Delete:
  + App is **removed**
  + **Trash is automatically emptied** for that app

✅ You can reinstall by clicking the cloud icon.

**🧾 Summary – What You Learned**

| **Task** | **Summary** |
| --- | --- |
| **Install from App Store** | Click “Get” → “Install” → Sign in |
| **Install from .pkg** | Run package installer → Admin login → Follow wizard |
| **Install from .dmg** | Mount → Drag to Applications → Admin login |
| **Uninstall manually** | Move app to trash → Empty trash |
| **Uninstall via App Store** | Click 3 dots → Delete → App & trash cleared |
| **File Types** | .dmg = disk image, .pkg = installer package |

**🎯 CompTIA A+ 220-1102 Relevance (Objective 1.8)**

You are expected to know:

* macOS **application management tools**
* **File types** used for installations: .dmg, .pkg
* App Store usage and **account integration**
* **Installation and removal procedures**
* **Security prompts** and administrative permissions during installs