**Handy Man System Documentation**

**Introduction**

The system is designed to help handymen find jobs quickly and provide a platform for users to create jobs for handymen. Users can log in as either a handyman or a job creator.

**Handymen** can:

* Create a profile listing their skills and experience.
* Upload pictures of their previous work.
* Mark themselves as available or unavailable for new jobs.

**Job creators** can:

* Log in to the system and create job postings.
* Assign jobs to their preferred handyman.
* Use handyman ratings to decide which handyman is best suited for the job.

This setup ensures that handymen can showcase their expertise and availability, while job creators can easily find and assign tasks to the right professionals.

After the job creator finishes creating a job and assigns it to a handyman, the handyman will accept the offer and begin working. Once the job is completed, the job creator will make a payment to the handyman. Finally, the job creator will be prompted to rate the handyman.

**System Specification**

**Job Categories**

* Plumbing
* **Job Catogory Types**
* **Residential Plumbler :**

Works on plumbing systems in homes, handling tasks like installing and repairing pipes, fixtures, and water systems in kitchens and bathrooms

* **Commercial Plumber:**

Specializes in plumbing for large commercial buildings such as offices, schools, and hospitals, The deal with more complex systems and larger-scale projects.

* **Service and Repair Plumbler:**

Focuses on troubleshooting and repairing plumbling issues in both residential and commercial settings. They handle tasks like fixing leaks, unclogging drains, and repairing water heaters.

* **Water Supply Plumber:**

Installs and repairs water supply lines and systems, including kitchen sinks, bathroom fixturess, and overhead storage tanks.

* **Sanitary Plumber:**

Deals with sanitary systems in bathrooms, including installing and repairing toilets, bathtubs, and showers.

* **Construction Plumber:**

Works on new construction projects, installing plumbing systems in new buildings or during major renovations.

* Electricity
  + **Job Category Types**
* **Residential Electrician:**

Works on electrical systems in homes, handling tasks like installing wiring, lighting, and electrical outlets.

* **Commercial Electrician:**

Specializes in electrical systems for commercial buildings such as offices, stores, and restaurants. They handle more complex systems and larger-scale projects.

* **Industrian Electrician:**

Works in industrial settings like factories and manufacturing plants, dealing with heavy machinery and complex electrical systems.

* **Maintenance Electrician:**

Focuses on maintaining and repairing existing electrical systems in various settings, including residential, commercial, and industrial.

* **Installation Technician:**

Installs wiring and electrical systems for new construction projects or major renovations.

* **Line Person:**

Works on power lines, either overhead or underground, installing, maintaining, and repairing electrical lines and equipment.

* **Solar Technician:**

Specializes in installing and maintaining solar panels and their associated electrical systems.

* **Wind Turbine Technician:**

Installs and maintains the electrical components of wind turbines

* **Marine Technician:**

Works on electrical systems in ships and boats, ensuring all wiring and equipment are resistant.

* Carpentry
  + **Job Category Types**
* **Rough Carpenter:**

Specializes in building the basic framework of structures, including walls, roofs, and floors. This type of carpentry focuses on structural integrity rather than detailed finishes.

* **Trim Carpenter:**

Also known as a finish carpenter, this professional installs and repairs trim and molding around doors, windows, and baseboards. They focus on the finer details and finishing touches of project.

* **Cabinet Maker:**

Designs and constructs cabinets, cupboards, and other types of furniture. Cabinet makers often create custom, made-to-measure pieces for kitchens, bathrooms, and other areas.

* **Framer:**

Specializes in constructing the skeletal structure of buildings, including the framing of walls, floors, and roofs. Framers are typically among the first tradespeople on a construction site.

* **Roofer**:

Focuses on building and maintaining the rafters, trusses, and beams involved in roof construction. Roofers ensure that roofs are structurally sound and durable.

* **Joister:**

Installs floor joists, which are horizontal boards that support the floor. This type of carpentry requires precision to ensure the floor is level and stable.

* **Ship Carpenter:**

Works on building and repairing ships and boats. This specialization involves working with materials like wood, fiberglass, and aluminium to ensure the vessel’s structural integrity.

* **Scenic Carpenter:**

Builds sets and stage elements for theatre, film, and television productions. Scenic carpenters focus on creating visually appealing structures that are also safe and functional.

* **Green Carpenter:**

Users environmentally friendly practices and materials in their work. This can include using sustainable wood sources and incorporating eco-friendly construction techniques.

* Painting
* **Job Category Types**
* **Residential Painter**

Works on painting homes, both interiors and exteriors. They handle tasks like painting walls, ceilings, and trim, and may also do minor repairs to surfaces before painting.

* **Commercial Painter**

Specializes in painting commercial buildings such as offices, schools, and hospitals. This type of painting often involves working on larger projects and using specialized equipment.

* **Industrial Painter**

Focuses on painting structures like bridges, factories, and warehouses. They often work with protective coatings and paints that can withstand harsh conditions.

* **Decorative Painter**

Also known as a faux painter, this professional creates decorative finishes on surfaces, such as faux marble, wood grain, and other artistic effects.

* **Automotive Painter**

Specializes in painting vehicles, including cars, trucks, and motorcycles. They prepare surfaces, mix paints, and apply them to achieve a smooth, durable finish.

* **Scenic Painter**

Works in the entertainment industry, painting sets and backdrops for theatre, film and television productions. They often create large-scale murals and detailed scenic elements.

* **Muralist Painter**

Creates large-scale paintings directly on walls or ceilings, often for public spaces or private commissions. Muralists use various techniques and media to produce their artwork.

* **Artistic Painter**

Focuses on creating original works of art on canvas, paper, or other surfaces. This can include fine art painters, portrait artists, and illustrators.

* Paving
* **Job Category Types**
* **Asphalt Paver**

Specializes in laying asphalt on roads, driveways, and parking lots. They operate machinery to spread and level asphalt, ensuring a smooth surface.

* **Contrete Paver**

Works with concrete to create sidewalks, driveways, and other surfaces. This job involves pouring, spreading, and finishing concrete to achieve a durable and even surface.

* **Brick and Stone Paver**

Installs brick, stone, or pavers for patios, walkaways, and driveways. This type of paving requires precision to create aesthetically pleasing and functional surfaces.

* **Paving Crew Member**

Part of a team that handles various tasks in the paving process, such as preparing the group, spreading materials, and operating equipment.

* **Paving Machine Operator**

Operates heavy machinery used in the paving process, such as asphalt pavers, rollers, and compactors. They ensure the machinery is used safely and effectively.

* **Traffic Director**

Manages traffic flow around paving sites to ensure the safety of workers and the public. They set up signs, cones, and barriers to direct vehicles.

* **Site Manager**

Oversees paving projects, coordinating the work of the crew, managing schedules, and ensuring the project meets the quality and safety standards.