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ArcGIS Online Development Plan

Week 4: Practical Tasks – Survey123, Workforce & ArcGIS Hub

Project Title:

“Design a Complete Field Operations and Collaboration Workflow using Survey123, Workforce, and ArcGIS Hub”

Project Description:

In this project, the trainee will develop a complete field workflow that covers data collection, task management, and public or internal data sharing. By integrating **Survey123**, **Workforce**, and **ArcGIS Hub**, the trainee will create a system where field workers can collect data, supervisors can manage assignments, and results can be published through a centralized Hub site.

Detailed Tasks:

1. Survey123 Form Design

Create a new Survey123 form to collect structured data related to the organization's project (e.g., maintenance requests, inspections, citizen reports).

Add multiple question types (text, select one/multiple, date, location, photo).

Implement conditional logic to hide/show questions dynamically.

Configure required fields, hints, and validation rules.

Publish the survey to ArcGIS Online and test submission from both web and mobile versions.

Link the survey results to a feature layer in ArcGIS Online.

2. Workforce Project Configuration

Create a new Workforce project to manage and assign field tasks.

Define roles: Dispatcher and Field Worker.

Configure assignment types and priorities (e.g., urgent, scheduled).

Integrate the Survey123 form as a linked action from assignments.

Test workflow: Dispatcher assigns a task, worker opens it in Field Maps or Survey123, completes the form, and marks it as done.

Monitor real-time updates from the Dispatcher view.

3. ArcGIS Hub Site Development

- Create a **Hub site** to display and share the project outcomes.
- Add pages or sections for:
 - Project Overview and Objectives.
 - Embedded Dashboard (linked to Workforce assignments).
 - Embedded Survey123 form for public submissions (if required).
 - Data summary (charts, metrics, or status updates).
- Customize the **theme, layout, and navigation menu**.
- Control access (public or internal organizational access).
- Ensure the site is responsive and visually clear.

4. Integration & Testing

- Verify that Survey123 submissions automatically update the Workforce Dashboard.
- Check that Workforce assignments are synchronized with Field Maps or Survey123 workflows.
- Test the Hub site to ensure all embedded components work properly.
- Conduct a presentation review showing how data flows between Survey123, Workforce, and Hub.

Deliverables:

- Published **Survey123 Form** with tested submissions.
- Configured **Workforce Project** integrated with Survey123 and Field Maps.
- Functional **ArcGIS Hub Site** with embedded dashboards and survey links.
- Comprehensive documentation report** describing setup steps, results, and screenshots of the workflow.