Part 2: Waste Elimination and Updated VSM
Waste Elimination Strategies:

1. **Overproduction**: Streamline the requirements gathering process by focusing on essential features only.
2. **Waiting**: Implement parallel development and testing to reduce idle time.
3. **Defects**: Improve communication between development and testing teams to address issues promptly.

Updated Value Stream Mapping (VSM):

```
                     |-------------------|------------------|------------------|
                     |      Process      |      Waste       |    Lead Time     |
     |---------------|-------------------|------------------|------------------|
     |  Requirements | Essential         |  Overproduction  |     1 day        |
     |   Analysis    | gathering only    |  Waiting         |                  |
     |               |                   |                  |                  |
     |---------------|-------------------|------------------|------------------|
     |  Test Case    | Concurrent        |  Defects         |     2 days       |
     |  Development  | development       |  Overprocessing  |                  |
     |               | and refinement    |                  |                  |
     |---------------|-------------------|------------------|------------------|
     |   Test        | Execution         |  Transportation  |     3 days       |
     |  Execution    | and review        |  Inventory       |                  |
     |               |                   |  Waiting         |                  |
     |               |                   |  Motion          |                  |
     |---------------|-------------------|------------------|------------------|
     |   Reporting   | Immediate         |  Overproduction  |     1 day        |
     |               | documentation     |  Waiting         |                  |
     |               |                   |                  |                  |
     |---------------|-------------------|------------------|------------------|
     |   Feedback    | Continuous        |  Defects         |     1 day        |
     |               | incorporation     |  Overprocessing  |                  |
     |               | and iteration     |                  |                  |
     |---------------|-------------------|------------------|------------------|
     |    Total Lead Time: 8 days                                             |
     |-----------------------------------------------------------------------|
```

Additional Information:

- **Requirements Gathering**: Reduced to only essential features to minimize waste.
- **Test Case Development**: Concurrently developed with requirements analysis to save time.
- **Testing Execution**: Immediate feedback loop established to address defects promptly.

By implementing these waste elimination strategies, XYZ Solutions can significantly reduce lead time and enhance overall efficiency in the testing phase of their product development process.