

# CSE 115A – Introduction to Software Engineering

## Release Summary

**Product Name:** HuddleAI

**Team Name:** Team HuddleAI

**Date:** May 22, 2025

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### Key User Stories and Acceptance Criteria

#### User Story 1: File Upload and Processing

As a user, I want to upload a meeting recording (video) so HuddleAI can process it.

Acceptance Criteria:

- The system accepts a common video format (MP4).
- The file size limit is clearly communicated to the user.
- Upload progress indicator displays during file transfer.
- Error messages provided for unsupported formats or oversized files

#### User Story 2: Raw Transcript Generation

As a user, I want to see a raw transcript of the uploaded file so I can verify accuracy.

Acceptance Criteria:

- Transcript generated within 5 minutes for files under 30 minutes.
- Transcript accuracy of at least 85% for clear audio.
- Transcript displayed in readable format with timestamps.
- Option to download transcript in text format.
- Clear indication when transcription is in progress

#### User Story 3: Speaker Identification

As a user, I want HuddleAI to detect different speakers in a transcript so I can follow conversations more easily.

Acceptance Criteria:

- Speakers labeled as "Speaker 1", "Speaker 2", etc.
- Speaker changes clearly marked in transcript.
- Consistent speaker identification throughout recording.
- Fallback to unlabeled transcript if diarization fails.

- User notification when speaker identification is unavailable

#### **User Story 4: Slack Integration**

As a user, I want to receive a transcript summary directly in a Slack channel.

Acceptance Criteria:

- Summary posted to designated Slack channel automatically.
- Summary includes key sections: updates, blockers, action items.
- Speaker attribution maintained in summary.
- Summary formatted with clear headings and bullet points.
- Fallback notification if Slack posting fails

#### **User Story 5: Meeting Summarization**

As a user, I want a summary of my meeting transcript so I don't have to read the whole thing.

Acceptance Criteria:

- Summary captures main discussion points.
- Action items clearly identified and listed.
- Blockers and challenges highlighted.
- Summary length appropriate (max 500 words for 30-minute meeting).
- Summary generated within 2 minutes of transcript completion

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## **Known Problems**

1. **Team Status is Hardcoded** - Team member status and information is statically coded rather than dynamically pulled from actual team data
  2. **Action Items Menu Contains Hardcoded Data** - Action items dropdown/menu displays predetermined sample data instead of real action items extracted from meetings
  3. **Jira Integration Not Implemented** - Originally planned Jira integration was not completed due to complexity with Slack integration taking priority
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## Product Backlog

### High Priority User Stories :

1. As a user, I want to **search previous transcripts** by keyword so I can quickly find specific discussions.
2. As a user, I want to **upload multiple files** in bulk so I can process several meetings at once.
3. As a user, I want **meeting titles and participant names** to be auto-extracted so I can better organize my transcripts.

### Bug fixes :

1. **Fix Team Status Data Transmission** - Implement the code properly to send a team status instead of hardcoded stuff.
  2. **Improve Action Items UX/UI Design** - Redesign action items interface for better user experience.
  3. **Optimize Processing Speed** - Address the current performance as the current processing is significantly slow
  4. **Enhance Slack Integration Customization** - Allow users to edit AI-generated messages before posting to Slack channels.
  5. **Resolve Invitation System Complications** - Fix issues with the team member invitation process.
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